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ABSTRACT

The annual report on graduate education programs funded under Title IX of the Higher Education Act of 1965, as amended, Part E, submitted by the Secretary of Education to the Congress, is presented. Because of the transition to the new Department of Education before the 1980 report was due, it was decided to update the 1979 report and submit a consolidated report for fiscal years 1978 to 1980. This combined report on graduate education includes specific data on the Public Service Program, Domestic Mining and Mineral and Mineral Fuel Conservation Programs, the Legal Assistance for the Disadvantaged Program, and the Graduate and Professional Opportunities Program. Data are also included in the special programs provided for female and minority graduate students. Findings from data in the files of the Title IX programs on the following information are summarized: levels of funding, number of institutions, students receiving awards for academic years 1978-79 through 1980-81, and institutionally reported program outcomes for 1976-77. Appendices include a summary paper entitled "Major Concerns Confronting Graduate and Professional Education" and a report on Title IX awards for fiscal years 1976 through 1980 based on program files. (SW)

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A REPORT ON SPECIFIC FEDERALLY FUNDED GRADUATE EDUCATION PROGRAMS

1978 to 1980

The Secretary's Report to Congress on Title IX
of the Higher Education Act of 1965
As Amended

January 1981

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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TABLE OF CONTENTS

Page

Introduction 1

Current Status of HEA Title IX Programs 2

1. Public Service Programs 3

2. Domestic Mining and Mineral and Mineral Fuel Conservation Programs 4

3. Legal Assistance Program for the Disadvantaged 6

4. Graduate and Professional Opportunities Program 7

Higher Education Panel Survey 9

Appendix A: A Summary Paper of "Major Concerns Confronting Graduate and Professional Education" 10

Appendix B: Title IX Awards for Fiscal Years 1976 through 1980 . . 10

DEC 1 9 1980

- Legal Training for the Disadvantaged Program - Participants are graduating from law school and passing the bar on the first attempt at a rate which compares favorably to national norms.

- Special Programs for Minorities and Females - A survey of postsecondary institutions which award post baccalaureate degrees indicates that 46 percent had at least one formal program specifically designed for female and minority graduates in Spring, 1978. Programs included special admissions, financial aid assistance, and academic assistance.

We hope the findings of this report prove useful in your work with Title IX programs.

John Seal
Deputy Assistant Secretary for
Evaluation and Program Management

Enclosure

Introduction

Part E of Title IX of the Higher Education Act requires an annual report on the operations and achievements of the programs funded under this Title. The first annual report was submitted to Congress for Fiscal Year 1977. Excessive delays in the clearance process have prevented the delivery of subsequent reports to the present time. Consequently, one report has been prepared for the Fiscal Years 1978 through 1980.

The report is based on readily available data, therefore it is descriptive, rather than output oriented. A continuing reduction in Planning and Evaluation funds over the past fiscal years restricted the ability of the then Office of Education (USOE) and now the Department of Education to more fully comply with the legislative requirements of Section 971A of Title IX.

The report for FY 1977 listed a number of critical problems facing graduate education in the view of the graduate deans and administrators who wrote papers for the then Office of Education in the Summer of 1977. 1/ Among these were:

- o Access to graduate education by currently underrepresented groups including minorities and women.
- o Funding of graduate education--both institutional funding and individual student support.
- o Supply of graduate students and employment opportunities for graduates.
- o Clarification of the purpose of graduate education.

1/ A detailed review of these issues is included in Appendix A.

At the present time, it seems fair to say that these problems still exist, although some have been partially addressed with the funding of the Graduate and Professional Opportunities Program.

In 1978, to better understand services provided to certain segments of the graduate education community, the then Office of Evaluation and Dissemination of the U.S. Office of Education funded a survey entitled "Special Programs for Female and Minority Graduate Students." A summary of the findings of that study is included in this document.

The main body of the report is divided into two sections. The first section summarizes the findings from data in the files of the Title IX programs. Program data includes levels of funding, number of institutions, students receiving awards for academic years 1978-79 through 1980-81, and institutionally reported program outcomes for 1976-77. The second section provides summary data on the number and kinds of special formal programs provided for female and minority graduate students.

In addition, two appendices are included which contain more detailed information for each of the two major sections. The attachments are a summary paper entitled "Major Concerns Confronting Graduate and Professional Education" (Appendix A) and a report on Title IX awards for Fiscal Years 1976 through 1980 based on program files (Appendix B).

Current Status of HEA Title IX Programs

Limited availability of evaluation funds and the recency of Title IX programs allows for only a limited assessment of program effectiveness. The programs in public service and domestic mining were initiated in the 1975-76 academic year and, because many of these programs require several years to complete, only fragmentary data on graduate and employment rates are available in the program files. The Graduate and Professional Opportunities Program is even more recent. The Legal Assistance Program for the Disadvantaged through the Council on Legal Education Opportunties (CLEO), however, has provided assistance to disadvantaged students studying law since 1968. Information on the operation and outcomes of the CLEO program is thus available for a longer time period. The Council has conducted periodic surveys and the results of those studies are presented in this report, although some analysis is based only upon data from those participants responding to CLEO surveys rather than on the entire student population (e.g., number of students passing the bar examination).

Data on the total dollar awards made in institutional fellowship grants and the number of institutions and students receiving awards under Title IX from 1975-80 are given in Exhibits 1 and 2. These data and additional information on the Title IX program were collected from the U.S. Office of Education's Title IX files. A report on these data is presented in Appendix B.

Highlights from the various reports are discussed below by program

1. Public Service Programs

The number of public service institutional grants increased from 58 in 1975-76 to 80 in 1976-77 to 86 in 1977-78 and decreased in 1978-79 to 74, to 29 in 1979-80 and down to 10 in 1980-81. The number of fellowships for the same academic years were 264, 344, 312, 332, 431, and 342 respectively. During the same period funding for institutional grants decreased from $2.3 million to $6,395,000 while funding for fellowship awards increased form $1.7 million to $3.5 million.

The institutional grants awarded to programs in public service were used primarily in the following areas: faculty improvement (hiring or training of staff, research support, payment of membership in professional associations, etc.); program expansion (developing new courses, evaluation of existing

EXHIBIT 1: INSTITUTIONAL AND FELLOWSHIP AWARDS MADE UNDER TITLE IX OF THE HIGHER EDUCATION ACT, AS AMENDED

Public Service

	75-76	76-77	77-78	78-79	79-80
Number of institutions receiving grants	58	80	86	74	29
Total dollars (in millions) awarded in institutional grants	2.3	2.0	1.8	1.3	.5
Number of fellowships awarded	264	344	312	332	431
Total Dollars (in millions) awarded in fellowships	1.7	2.0	2.2	2.6	3.5
Number of institutions with fellows	52	73	74	97	80

Domestic Mining

	75-76	76-77	77-78	78-79	79-80
Number of fellowships awarded	181	375	500	500	464
Total Dollars (in millions) awarded in fellowships	1.5	3.0	4.5	4.5	4.5
Number of institutions with fellows	40	48	52	55	51

CLEO

	75-76	76-77	77-78	78-79	79-80
Number of fellowships awarded	536	532	538	553	549
Total Dollars (in millions) awarded in fellowships	.75	.75	.75	1.0	1.0
Number of institutions with fellows	142	135	140	140	108

Exhibit 2: Graduate and Professional Opportunities Program (G*POP) Fellows, 1978-79 and 1979-80

(Total number of Fellows currently in G*POP = 874)
Continuing = 303; New as of 9-1-79 = 571

CUMULATIVE TOTAL, BY SEX AND ETHNICITY

	FEMALE					MALE							GRA
	Black	White	Hisp.	A.A.	N.A.	Black	White	Hisp.	A.A.	N.A.	TOTAL USED	UNUSED	TOTA
(Cont) # Fellows 1978-79	61	79	14	9	9	81	0	36	12	2	303	0	303
(New) # Fellows 1979-80	147	131	29	11	10	168	0	45	15	10	566	5	571
TOTAL (C & N)	208	210	43	20	19	249	0	81	27	12	869 +	5	= 874
(Cont) % of Total 1978-79	20.1	26.2	4.6	2.9	2.9	26.8	0	11.9	3.9	.7	100%		
(New) % of Total 1979-80	25.9	23.3	5.1	1.9	1.8	29.7	0	7.9	2.6	1.8	100%		
% of TOTAL (C & N)	23.9	24.3	5.0	2.3	2.2	28.6	0	9.3	3.1	1.3	100%		

TOTAL BY SEX

	FEMALE	MALE
(Cont) # Fellows 1978-79	172	131
(New) # Fellows 1979-80	328	238
TOTAL (C & N)	500	369
(Cont) % of Total 1978-79	56.7	43.3
(New) % of Total 1979-80	58.0	42.0
% of Total (C & N)	57.7	42.3

TOTAL BY ETHNICITY

	Black	White	Hisp.	A.A.	N.A.
(Cont) # Fellows 1978-79	142	79	50	21	11
(New) # Fellows 1979-80	314	131	74	26	20
TOTAL (C & N)	457	210	124	47	31
(Cont) % of Total 1978-79	46.8	26.1	16.5	6.9	3.6
(New) % of Total 1979-80	55.5	23.3	13.1	4.6	3.5
% of Total (C & N)	52.6	24.1	14.3	5.4	3.6

Hisp. = Hispanic
A.A. = Asian American
N.A. = Native American

curriculum, developing internships); and strengthening graduate and professional school administration (recruitment of students, provision of career guidance/placement services, etc.). Less often, awards were used to provide for the acquisition of instructional equipment, expansion of library facilities and the development of cooperative arrangements among graduate and professional schools. Comments contained in the program files concerning the public service fellowships identified the following program outcomes: (1) the financial support allowed full-time study; (2) the program attracted interest in the department; (3) special services were provided to Fellows; and (4) services could also be provided to non-Fellows.

Other findings concerning the Public Service programs using 1976-77 program information indicate that:

- Of those Fellows no longer in the program slightly more than 87 percent had obtained positions in public services.
- Fifty-seven percent of the fellowship recipients were men.
- One percent of the Fellows were engaged in Ph.D.- level study.
- More than half (59 percent) of the public service Fellows served internships while in the program; 13 percent of the Fellows were involved in research. No information was available for the remaining 28 percent.

These data and further findings on the Public Service programs along with a listing of awards for 1978-79, 1979-80 and 1980-81 can be found in Appendix B.

2. Domestic Mining and Mineral and Mineral Fuel Conservation Programs

The number of fellowships supported under this program increased from 181 in 1975-76 to 375 in 1976-77, to 500 in 1977-78 and also in 1978-79, and then decreased to 464 in 1979-80. Concurrently, the funding for this program increased from $1.5 million to $4.5 million.

For the Domestic Mining and Mineral and Mineral Fuel Conservation fellowships, the program files reveal similar comments by institutions. They cited a major effect of this program is that it fosters greater interest in the students in pursuing careers in this field and thereby increases enrollments at their institutions. Many institutions felt the program was helpful in providing trained manpower to develop the State's natural resources. Other effects of the program noted in the files include: the financial support enabled students to pursue full-time study; expansion and further development of the programs was possible; and special services, such as securing visiting lecturers or allowing travel to professional conferences, were provided.

The program files also reveal the following findings concerning the domestic mining Fellows:

- For the academic year 1976-77, 323 fellowships were awarded. By the end of that year, incomplete data indicate that 45 of the fellowship recipients had earned the M.S. degree and 6 had earned the Ph.D. A total of 45 fellowship recipients were employed in a related field.
- Approximately 92 percent of the Fellows were men.
- Seventy-eight percent of the fellowship recipients were involved in research and approximately 22 percent participated in practica.

For further information on the Domestic Mining Programs, see Appendix B.

3. Legal Assistance Program for the Disadvantaged (CLEO)

Title IX also provides support for disadvantaged students studying law. During the last four academic years, the number of fellowships awarded remained fairly stable: 532 in 1976-77, 538 in 1977-78, 553 in 1978-79, and 545 in 1979-80. Funds were used for summer institutes and program administration. For each of the last four years, $1,000,000 was expended under this program. The Council on Legal Education Opportunity (CLEO) is responsible for administering two interrelated programs: (1) summer institutes to provide disadvantaged students with the necessary skills for successful legal study; and (2) allocation of living stipends to disadvantaged students who complete the summer institute and enroll in law school. The first is supported by a grant from the Division of Student Services and Veterans Programs under Title IV of the Higher Education Act. The second is funded under Title IX.

Data from the program files and the most recent technical report 2/ indicate that CLEO students who complete the summer institute are, for the most part, gaining admission to and graduating from law schools and passing the bar. Data on the progress of students from program entry to bar performance are available for those students who participated in the CLEO program between 1968 and 1972. A summary of those figures shows the following:

- Of those CLEO participants successfully completing the summer institute, 97 percent entered law school.
- Of those CLEO participants entering law school, it is estimated that 70 percent graduated by the end of 1979.

2/ Council on Legal Education Opportunties, "CLEO: A Narrative Report," Washington, D.C.: January 21, 1977 (Mimeo).

- Of those CLEO participants graduating from law school, of the data on 616 who are known to have attempted the bar, 540 or 87% were successful, a rate which compares favorably with the national norm for those years of 74 percent.

A 1977 CLEO report concludes that many graduates are returning to serve as lawyers in the disadvantaged areas from which they came. It also suggested that the success of this program upholds the hypothesis that, with financial and academic help, disadvantaged students can overcome societal handicaps. Currently the Council on Legal Opportunity is conducting a study to update these data. Preliminary findings are included in Appendix B.

The sex and ethnic breakdowns of those students in the program in 1979 were as follows:

- Approximately 52 percent are men.
- Blacks comprise approximately 52.1 percent of the students presently participating in CLEO. Other minorities represented are Chicanos: 28.2 percent; Puerto Ricans: 9.4 percent; Asian Americans: 2.3 percent; Caucasians: approximately 2.8 percent: American Indians: 1.4 percent. The remaining 3.8 percent are of other ethnic backgrounds.

In conclusion, the three programs currently supported under Title IX appear, on the basis of preliminary data, to have been successful in their attempts to recruit students and to enhance their program offerings in order to provide graduates with the skill training necessary to secure employment in relevant fields. Further information on the CLEO program may be found in Appendix B.

4. Graduate and Professional Opportunities Program (GPOP)

Until enactment of the GPOP provision, Title IX support directly targeted for underrepresented students was awarded only in law (the CLEO program). This program was enacted to better meet the need of underrepresented groups by improving access to graduate education through funding for these students in other academic areas. The Graduate and Professional Opportunities Program is authorized under Parts A and B of Title IX of the Higher Education Act of 1965, as amended. More specifically, the purpose of this program is to support the identification, recruitment, admission, and preparation of larger numbers of underrepresented group members pursuing graduate and professional study.

This program directly responds to the underrepresentation of women and minorities in graduate and professional education. Previous to the enactment of this program, Federal support to improve access was concentrated on the undergraduate level or was restricted to specific areas of graduate study (such as law, medicine, or engineering). The Graduate and Professional Opportunities Program, however, broadened this support to assist underrepresented students in a variety of graduate and professional disciplines.

This program authorizes the award of both fellowships and institutional grants. Students who plan teaching careers in college and universities or who plan careers in other professional fields of importance to the national interest are eligible for fellowships. Career fields in the first year's awards (1978-79) ranged from engineering and the medical health sciences to law and architecture. That year, 55 percent of the fellowship recipients were female, 45 percent were black, 17 percent Hispanic, 8 percent Asian American and 4 percent Native American. For academic year 1979-80, 58 percent of fellowship recipients were female, 52.6 percent were black, 14.3 percent Hispanic, 5.4 percent Asian American and 3.6 percent Native American. For tables on program awards and recipients, including 1980-81 awards, see Appendix B.

In addition to the fellowship awards, 26 colleges and universities in 1978-79, 49 in 1979-80, and 31 in 1980-81 also received institutional grants to help recruit students and provide special programs for them. The 1980-81 grant awards ranged from $3,996 to $18,360.

Institutional grants and fellowship awards in the program are allocated on the basis of several criteria, including the need to provide an equitable distribution of graduate and professional programs across the nation, the ability to maintain or improve the advanced training of persons previously underrepresented in higher education, and the ability to supply skilled manpower in areas of State, regional or national priority.

Higher Education Panel Survey

The American Council on Education, with the input and support of the National Science Foundation, the U.S. Office of Education, and the National Institute of Health, conducted a panel survey in the spring of 1978 to obtain some information on special formal programs offered to minorities and women at the graduate level. The survey instrument was sent to a stratified sample of 343 postsecondary institutions which offer a professional degree, a doctoral degree or some other degree beyond the Master's and which are part of a panel of institutions representative of the 3,000 institutions in the Education Directory.

A 91 percent response rate was achieved. Weighted results of the survey indicate that 46 percent of the 600 institutions which award a professional or doctoral degree or some degree beyond the Master's have had at least one formal program specially designed to aid female or minority graduate students. Minorities were more apt than women to be the target of special efforts. Forty-three percent of the institutions had at least one special program for minority graduate students. Twenty-two percent had a special program for women.

The survey indicates that special recruitment and admission efforts were made at 39 percent of the institutions, special financial aid programs were run by 35 percent, and special academic assistance was given at 24 pecent. Public institutions were more apt than private ones--to offer special programs. Sixty percent of public institutions do so versus 26 percent of private institutions. Schools of law and medicine were more apt to offer one or more of the special programs for both women and minorities.

The figures presented here must be viewed with caution. Institutions were asked to count "formal" programs only. Furthermore, at the time of the survey, the nation was awaiting the Supreme Court's decision on the Bakke case and institutions may have been unusually reluctant to identify programs as favoring minorities or one sex. It would not be surprising if the figures presented here constitute a lower bound.

The preceding pages have presented condensed information on the four graduate programs funded in recent years under Title IX of the Higher Education Act and have alluded to some of the critical issues currently facing graduate education. The attached appendices A and B expand on these issues and provide additional information on the programs.

List of Appendices

Appended to this document are the following materials:

- Appendix A: A summary paper entitled "Major Concerns Confronting Graduate and Professional Education." The source of this summary are 32 papers written by graduate deans,
- Appendix B: Title IX Program Files Report. This document presents the results of a review of the Office of Education's Title IX program files. Data on awards, institutions, Fellows, and employment/law school enrollment are given for each program as well as institutional assessments of Title IX effectiveness.

GRADUATE AND PROFESSIONAL OPPORTUNITIES PROGRAM

The Department of Education administers the Graduate and Professional Opportunities Program (GPOP). GPOP supports fellowship awards under Title IX, Part B of the Higher Education Act.

Purpose	GPOP is designed to assist members of traditionally underrepresented groups, particularly minorities and women, to prepare for academic and other professional careers.
Field	Fellowships are awarded for graduate study in academic fields leading to a doctoral degree and for professional study in fields which consider the master's degree as the credential for professional careers.
Stipend	Successful Fellows are remitted institutional tuition and mandatory fees and receive a stipend of $4,500 for a 12-month year payable at the monthly rate of $375 for any period the Fellows are enrolled in the program.
Eligibility	Applicants must be U.S. citizens or permanent residents and must meet the admission requirements of the institutions to which they apply.
Further Information	Application materials and information on institutional requirements should be obtained from the sponsoring institutions. A list of the fellowship awards for Fiscal Year 1980 is attached.

PUBLIC SERVICE FELLOWSHIPS

The Department of Education administers a program of Public Service Fellowships, authorized by Title IX, Part C of the Higher Education Act.

Purpose	The Public Service Program is designed to attract and prepare graduate students for leadership and management careers in all levels of government and in non-profit community service organizations.
Program	Fellowships are awarded on a competitive basis to colleges and universities that have graduate or professional programs leading to a master's or more advanced degree in public service.
Stipend	Successful Fellows are remitted tuition and required fees and receive a stipend of $4,500 for a 12-month year prorated at $375 per month for any period less than 12 months that the Fellows are enrolled in the program.
Eligibility	Applicants must be U.S. citizens or permanent residents and must meet the admission requirements of the institutions to which they apply.
Further Information	Application materials and information on institutional requirements should be obtained from the sponsoring institutions. A list of the fellowship awards for fiscal year 1980 is attached.

U. S. OFFICE OF EDUCATION

FY 1980 AWARDS
GRADUATE AND PROFESSIONAL
OPPORTUNITIES PROGRAM

1/3/80

State, Institution, and Contact Person	Approved Program (s)	Degree	Renewal Fsps.	New Fsps.	Target Group*	Part A Inst'l. Grant
ALABAMA						
Alabama A & M Univ.						
Normal, Alabama 35762	Business Admin.	MBA	5	2	B	
Dr. Annas Aytch	Computer Science	M	-	2	B	
(205) 859-7302	Food Science	MS	-	2	B	$11,88
Tuskegee Institute						
Tuskegee, Ala. 36088	Architecture	M.Arch.	2	2	B	
Dr. William L. Lester	Chemistry	MS	-	2	B	
(205) 727-8471	Engineering	MS	-	2	B	$ 8,64
University of Alabama						
University, Ala. 35486	Engineering	Ph.D	3	3	B,W	
Dr. Harold L. Bishop						
(205) 348-6060						
ARIZONA						
Arizona State Univ.						
Tempe, Arizona 85281	Psychology	Ph.D.	2	-	H	
Dr. Charles M. Woolf	Chemical & Bioengr.	MS,Ph.D.	2	-	B,O	
(602) 965-3521	Solid State Sci.	MS	1	-	O	
Northern Arizona Univ.						
Flagstaff, Ariz. 86011	Business Admin.	MBA	3	-	A,W	
Dr. Delno C. West	Forestry	MS	1	-	Handicapped	
(602) 523-3983	Biology	Ph.D.	3	-	N,B,H	
University of Arizona						
Tucson, Arizona 85721	Anthropology	Ph.D.	8	-	N,H	
Dr. Jane H. Underwood	Geosciences	MS,Ph.D.	5	-	N,H	
(602) 626-4766	Optical Sciences	Ph.D.	2	-	N,H	
	Higher Education	Ph.D.	3	-	N,H	
ARKANSAS						
University of Arkansas						
Fayetteville, Ark. 72701	Agronomy	Ph.D.	5	-	M,W	
Dr. James H. White	Engineering	Ph.D.	1	-	M,W	
(501) 575-4401						

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* A-Asian Americans; B-Blacks; H-Hispanics; M-Minorities; N-Native Americans; O-Other; P-Puerto Ricans; W-Women

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l Grant
CALIFORNIA						
Claremont Univ. Center						
Claremont, Calif. 91711	Business Admin.	MBA	2	-	H	
Mr. Carolyn Ellner	Psychology	Ph.D.	3	-	W	
(714) 621-8000, Ext. 3318						
Stanford University						
Stanford, Calif. 94305	Physical Sciences	Ph.D.	10	-	B,H,N,W	
Dr. Arthur B. Walker, Jr.	Biological Sci.	Ph.D.	1	-	B,H,N,W	
(415) 497-2496	Psychology	Ph.D.	1	-	B,H,N,W	
	Anthropology	Ph.D.	3	-	B,H,N,W	
	Law	Ph.D.	2	-	B,H,N,W	$ 5,40
Univ. of Calif.-Berkeley						
Berkeley, Calif. 94720	Physical Sciences	Ph.D.	6	-	M	
Dr. J. R. Martinez						
(415) 642-5727						
Univ. of Calif.-Los Angeles						
Los Angeles, Calif. 90024	Educ. Evaluation	Ph.D.	3	-	B,A,N,H	
Ms. Victoria A. Fromkin						
(213) 825-4383						
Univ. of Calif.-Santa Cruz						
Santa Cruz, Calif. 95064	Biology	Ph.D.	1	-	H,B,N	
Dr. John Ellis	Chemistry	Ph.D.	4	-	H,B,N	
(408) 429-2201	Earth Sciences	Ph.D.	3	-	H,B,N	
	Astronomy	Ph.D.	1	-	H,B,N	
	Physics	Ph.D.	1	-	H,B,N	$ 7,99
Univ. of the Pacific - McGeorge School of Law						
Sacramento, Calif. 95817	Law	JD	3	2	H,B	
Dr. Robert Chaim						
(916) 449-7117						
Univ. of Southern Calif.						
Los Angeles, Calif. 90007	Clinical Psych.	Ph.D.	3	-	M	
Dr. Nelson Horn						
(213) 741-5179						
COLORADO						
Univ. of Colorado-Boulder						
Boulder, Colorado 80309	Geography	Ph.D.	2	-	H,A,N,B	
Dr. Ernest Patterson	Engineering	Ph.D.	2	-	H,A,N,B	
(303) 492-7401	Chemistry	MA	1	-	H,A,N,B	
	Earth Sciences	Ph.D.	1	-	H,A,N,B	
Univ. of Denver Colo. Sem.						
Denver, Colorado 80208	Psychology	Ph.D.	2	-	H	
Dr. Robert Amme	Social Work	MSW, Ph.D.	3	-	H	
(303) 753-2706						

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
CONNECTICUT						
Yale University New Haven, Ct. 06520 Dean Robert Bunselmeyer (203) 436-8366	Political Science	Ph.D.	4	2	B,H,N,P	
	Economics	Ph.D.	4	2	B,H,N,P	
	American Studies	Ph.D.	1	2	B,H,N,P	
	Anthropology	Ph.D.	2	1	B,H,N,P	
	History	Ph.D.	1	1	B,H,N,P	
	Social Science	Ph.D.	4	-	B,H,N,P	
DELAWARE						
University of Delaware Newark, Delaware 19711 Dr. R. B. Murray (302) 738-2147	Psychology	Ph.D.	2	-	B	
	Chemical Engr.	Ph.D.	1	-	B	
DISTRICT OF COLUMBIA						
Antioch School of Law Washington, D. C. 20009 Dr. Stephen L. Plumer (202) 387-8855	Law	JD	-	3	M	$ 3,996
Howard University Washington, D. C. 20059 Dr. Johnetta G. Davis (202) 636-7469	Biological & Health Science	Ph.D.	6	-	B	
	Engr. & Phys. Sci.	Ph.D.	4	-	B	
Johns Hopkins Univ. (SAIS) Washington, D. C. 20036 Dr. George R. Packard (202) 785-6220 Assoc. Dean Geo. L. Crowell (202) 785-6232	Int'l. Studies	MA,Ph.D.	3	-	B,W	
FLORIDA						
Florida A & M University Tallahassee, Fla. 32307 Dr. Henry Lewis, III (904) 599-3343	Pharmacy	Ph.D.	5	3	B	$15,120
Florida State University Tallahassee, Fla. 32306 Dr. William R. Jones (904) 644-5512	Biology	Ph.D.	6	-	B,W	
	Mathematics	Ph.D.	4	-	B,W	
	Criminology	Ph.D.	4	-	B,W	
	Economics	Ph.D.	3	-	B,W	
	Psychology	Ph.D.	8	-	B,W	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
FLORIDA (cont'd.)						
University of Florida Gainesville, Fla. 32611 Dr. Mildred Hill-Lubin (904) 392-4646	Chemistry	MS, Ph.D.	-	2	B	
	Microbiology	Ph.D.	-	1	B	
	Zoology	MS, Ph.D.	-	2	B	
	Business Admin.	MBA, Ph.D.	5	2	B	
	Law	JD	3	2	B	
	Food Economics	MA, Ph.D.	2	-	B	
	Engineering	Ph.D.	1	-	B	
GEORGIA						
Atlanta University Atlanta, Georgia 30314 Dr. John C. Dunn (404) 525-4357	Political Science	Ph.D.	-	2	W,B	
	Chemistry	Ph.D.	-	1	W,B	$12,960
Georgia Inst. of Tech. Atlanta, Georgia 30332 Dr. Helen E. Grenga (404) 894-2545	Energy Engr.	MA, Ph.D.	3	2	B,W	
	Bioengineering	MA, Ph.D.	3	1	B,W	
	Transp. Engr.	MA, Ph.D.	3	1	B,W	
	Architecture	MS	4	2	B,W	
	Info. & Comp. Sci.	MA, Ph.D.	4	-	B,W	
	Geophysical Sci.	MA, Ph.D.	2	2	B,W	$18,360
University of Georgia Athens, Georgia 30602 Dr. Jack O. Jenkins (404) 542-1133	Psychology	Ph.D.	3	-	B	
	Physics & Astronomy	MA, Ph.D.	1	-	B,W	
ILLINOIS						
Illinois Inst. of Tech. Chicago, Ill. 60616 Dr. Edwin F. Stueben (312) 567-3167	Engineering	Ph.D.	6	-	B,H,P,A	
	Computer Science	Ph.D.	1	-	B,H,P,A	
Northern Illinois Univ. DeKalb, Ill. 60115 Dr. James A. Rutledge (815) 753-0395	Psychology	Ph.D.	2	-	M,W	
	Chemistry	Ph.D.	4	-	M,W	
Northwestern University Evanston, Ill. 60201 Dr. Hugh M. Hulburt (312) 492-7264	Law	Ph.D.	5	2	M,W	$ 7,020
University of Chicago Chicago, Ill. 60637 Dr. Charles D. O'Connell (312) 753-3247 Dr. Cedric L. Chernick (312) 753-3080	Sociology	Ph.D.	4	-	B	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
ILLINOIS (Cont'd.)						
University of Illinois Urbana, Ill. 61801 Dr. Elaine J. Copeland (217) 333-4860	Engineering	Ph.D.	-	3	B,H,N	
	Architecture	MS	-	2	B,H,N	
	Law	JD,MAS	-	1	B,H,N	$13,500
Univ. of Ill.-Chicago Circle Chicago, Ill. 60680 Dr. Richard Buchanan (312) 996-2674	Engineering	Ph.D.	2	2	B,H,N,W	
	Chemistry	Ph.D.	2	2	B,H,N,W	
	English Comp.	Ph.D.	-	2	B,H	
INDIANA						
Indiana University Bloomington, Ind. 47401 Dr. Eugene Eoyang (812) 337-8913	Chemistry	Ph.D.	-	2	W,M	
	Physics	MS,Ph.D.	-	2	W,M	
	Optometry	MS,Ph.D.	3	2	W,M	$11,880
Purdue University West Lafayette, Ind. 47907 Dr. Luther S. Williams (317) 494-9962	School of Sciences	Ph.D.	9	-	B,H	
	Pharmacy	Ph.D.	3	-	B,H	
Univ. of Notre Dame Notre Dame, Ind. 46556 Prof. Julian Samora (219) 283-6197	Economics	Ph.D.	5	-	H	
	Psychology	Ph.D.	3	-	H	
	Law	Ph.D.	4	-	H	
IOWA						
Iowa State University Ames, Iowa 50001 Dr. David L. Williams (515) 294-5872	Agric. Science	MS,Ph.D.	8	2	B,H,N,W	
	Chemistry	MS,Ph.D.	1	-	B,H,N,W	
	Food Technology	MS,Ph.D.	2	-	B,H,N,W	
	Food & Nutrition	MS,Ph.D.	3	-	B,H,N,W	
University of Iowa Iowa City, Iowa 52242 Assoc. Dean James Jacobsen (319) 353-5534	Mathematical Sci.	Ph.D.	2	-	M,W	
	Speech Path. & Aud.	Ph.D.	3	-	M,W	
KENTUCKY						
University of Kentucky Lexington, Ky. 40506 Dean Jaros (606) 257-2761	Law	JD	3	-	M	
University of Louisville Louisville, Ky. 40208 Dr. Joseph H. McMillan (502) 588-6153	Chemistry	Ph.D.	2	2	B,W	
	Psychology	Ph.D.	1	2	B	
	Social Work	MSW	1	1	B,W	
	Law	JD	-	1	B	
	Microbio. & Immun.	Ph.D.	3	-	B	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
MARYLAND						
Johns Hopkins Univ.						
Baltimore, Md. 21218	Psychology	Ph.D.	-	3	W	
Assoc. Dean Michael Hooker						
(301) 338-8024						
Morgan State University						
Baltimore, Md. 21239	Architecture	M.Arch.	4	-	M,W	
Ms. Anne Marie Pallowy						
(301) 444-						
University of Maryland						
College Park, Md. 20742	Economics	MA,Ph.D.	3	1	M,W	
Dr. Robert E. Menzer	Agric. Engineering	MS,Ph.D.	-	2	M,W	$ 8,640
(301) 454-4408						
MASSACHUSETTS						
Boston University						
Boston, Mass. 02215	Law	JD	3	2	M,W	
Dr. Francis R. Collins	Med./Dent. Science	MA,Ph.D.	7	2	M,W	$16,200
Brandeis University						
Waltham, Mass. 02254	Biochemistry	Ph.D.	2	-	B,H,W	
Dean Robert Arlt	Biology	Ph.D.	4	-	B,H,W	
(617) 647-2507	Chemistry	Ph.D.	3	-	B,H,W	
Mass. Inst. of Technology						
Cambridge, Mass. 02139	Engineering	Ph.D.	7	-	B,P,H	
Dean John B. Turner	Science	Ph.D.	11	-	H,A	
(617) 253-4846						
Univ. of Massachusetts						
Amherst, Mass. 01003	Elec. & Comp. Engr.	MS,Ph.D.	3	-	All	
Ms. Bertha Auten	Rood & Res. Econ.	MS,Ph.D.	2	-	All	
(413) 545-0666	Business Admin.	Ph.D.	1	-	All	
	Food Engineering	MS,Ph.D.	2	-	All	
	Polymer Sci.& Engr.	Ph.D.	2	-	All	
MICHIGAN						
Michigan State University						
East Lansing, Mich. 48824	Biochemistry	Ph.D.	3	-	M,W	
Dr. Herbert J. Oyer	Botany	MS,Ph.D.	1	-	W	
(517) 355-0300	Mass Media	Ph.D.	3	-	M	
	Accounting	Ph.D.	2	-	M,W	
Oakland University						
Rochester, Mich. 48063	Engineering	MS,Ph.D.	3	-	B,W,M	
Dr. Frederic A.H. Siegel	Management	MBA	1	-	M	
(313) 377-3166						
University of Michigan						
Ann Arbor, Mich. 48109	Applied Economics	MA,Ph.D.	1	-	W,M	
Dr. Donald R. Deskins, Jr.	Biostatistics	MS,Ph.D.	6	-	W,M	
(313) 764-5477	Computer Science	MS,Ph.D.	1	-	W,M	
	Medical Care Org.	MHSA,Ph.D.	1	-	W,M	$ 3,240

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
MINNESOTA						
Univ. of Minnesota Minneapolis, Minn. 55455 Ms. Patricia Mullen (612) 373-7969	Agric. Sciences	MS, Ph.D.	4	2	M,W	
	Forestry	MS	2	1	M	
	Psychology	Ph.D.	1	-	B	
	Dentistry	DDS	8	2	M	
	Law	JD	5	2	B,H,N	$12,960
MISSISSIPPI						
Jackson State Univ. Jackson, Miss. 39217 Dr. Ronald Niemeyer (601) 968-2414	Accounting	MPA	5	3	B	$ 6,480
Mississippi State Univ. Mississippi State, Miss. 39762 Dr. William E. McHenry (601) 325-2336	Chemistry	Ph.D.	3	-	All	
	Engineering	Ph.D.	2	-	All	
	Sociology	MA, Ph.D.	2	-	All	
	History	MA, Ph.D.	2	-	All	
MISSOURI						
St. Louis University St. Louis, Mo. 63101 Dr. William Stauder, S.J. (314) 658-2244	Psychology	Ph.D.	5	-	B	$ 3,888
Univ. of Missouri-Columbia Columbia, Mo. 65211 Dr. Donald M. Blount (314) 882-6311	Nuclear Engr.	Ph.D.	4	-	M,W	
	Industrial Engr.	Ph.D.	2	-	M,W	
	Electrical Engr.	Ph.D.	2	1	M,W	
	Civil Engineering	Ph.D.	2	-	M,W	
	Journalism	Ph.D.	-	2	M,W	
Washington University St. Louis, Mo. 63130 Dr. Gerald W. Patton (313) 889-6818	Biological Sci.	Ph.D.	5	1	All	
	Engineering	MS, Ph.D.	2	2	All	
	Chemistry	Ph.D.	3	1	All	
	Physics	Ph.D.	1	2	All	
	Law	JD	-	1	All	
	Mathematics	Ph.D.	1	-	All	$14,040
MONTANA						
Montana State University Bozeman, Montana 59715 Dr. Robert Peregoy (406) 994-3881	Engineering	MA	-	3	N,M	
University of Montana Missoula, Montana 59812 Dr. Richard Withycombe (406) 243-4983	Business Admin.	MBA	1	-	M,N	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
NEBRASKA						
Creighton University						
Omaha, Nebraska 68178	Law	JD	6	2	M	
Prof. Frances M. Ryan	Dentistry	DDS	-	2	M	
(402) 449-3091						
University of Nebraska						
Lincoln, Nebraska 68588	Architecture	M.Arch.	-	2	M,W	
Dr. Henry F. Holtzclaw, Jr.	Psychology	Ph.D.	-	1	M,W	
(402) 472-2875						
NEW HAMPSHIRE						
Univ. of New Hampshire						
Durham, N. H. 03824	Engineering	Ph.D.	2	-	W	
Dr. William Drew	Business Admin.	MBA	2	-	W	
(603) 862-2214						
NEW JERSEY						
Princeton University						
Princeton, N. J. 08544	Psychology	Ph.D.	2	-	B,H,N	
Dr. David N. Redman	Politics	Ph.D.	1	-	B,H,N	
(609) 452-3032						
Rutgers Univ. - Newark						
Newark, N. J. 07102	Criminal Justice	Ph.D.	-	2	M	
Dr. Alfred Slocum	Management	Ph.D.	-	2	M	
(201) 648-5541	Law/Urban Planning	JD,MA	-	2	M	
Rutgers Univ.-New Brunswick						
New Brunswick, N.J. 08903	Computer Science	Ph.D.	1	-	M	
Dr. James L. Young	Biomedical Engr.	Ph.D.	7	-	M,W	
(201) 932-7449	Chemistry	Ph.D.	3	M,W		
NEW MEXICO						
New Mexico Highlands Univ.						
Las Vegas, N. M. 87701	Social Work	MSW	1	-	N,W,M	
Dr. Sam Suina	Education Admin.	MA	2	-	N,W,M	$10,800
(505) 425-7511						
New Mexico State University						
Las Cruces, N. M. 88003	Elec. & Comp. Engr.	Ph.D.	3	-	H,W	
Dr. Frank Carden	Educ. Management	Ph.D.	-	2	M,W	$ 6,912
(505) 646-1323						
University of New Mexico						
Albuquerque, N. M. 87131	Electrical Engr. &					
Dr. Bernard Spolsky	Computer Science	Ph.D.	5	-	M,W	
(505) 277-2711	Law	JD	7	-	H,B,N	
	Math. & Statistics	MS	4	-	H,W,N	
	Microbiology	MS,Ph.D.	2	-	H,W	
	Physics & Astron.	MS,Ph.D.	2	-	H,B,N,W	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
NEW YORK						
Columbia University New York, N. Y. 10027 Ms. Susan N. Maier (212) 280-2857	Political Science	Ph.D.	3	-	M	
	Engr. & Appl. Sci.	Ph.D.	3	-	M	
Columbia Univ. - College of Physicians & Surgeons New York, N. Y. 10032 Dr. Susan Trisch (212) 694-4154	Occupational Theory	MS	1	-	M	
Cornell University Ithaca, N. Y. 14853 Dr. Benjamin P. Bowser (607) 256-5235	Engineering	Ph.D.	9	2	B,H,N,P	
	Applied Biology	Ph.D.	8	2	B,H,N,P	
	City Planning	Ph.D.	4	-	B,H,N,P	
	Human Ser. Studies	MA,Ph.D.	3	-	B,H,N,P	$12,960
CUNY Graduate School New York, N. Y. 10036 Dean K. Harrison (212) 790-4242	Chemistry	Ph.D.	6	3	B,H	
	Engineering	Ph.D.	5	3	B,H	
	Political Science	Ph.D.	7	1	B,H	
	Sociology	Ph.D.	6	-	B,H	
	Speech & Hearing	Ph.D.	4	3	B,H	$14,040
Hofstra University Hempstead, N. Y. 11550 Ms. Sherry Friedman (516) 560-3602	Law	JD	4	-	M	
New York Law School New York, N. Y. 10013 Prof. Douglas Scherer (212) 966-3500	Law	JD	5	2	M,W	
Rensselaer Poly. Inst. Troy, N. Y. Dr. Paul Zuber (518) 270-6565	Engineering	Ph.D.	4	3	M,W	
	Computer Science	Ph.D.	2	-	M,W	
SUNY at Albany Albany, N. Y. 12201 Dr. Paul A. Saimond (518) 457-4636	Accounting	MS	1	-	M	
	Atmospheric Sci.	Ph.D.	2	-	M	
SUNY at Binghamton Binghamton, N.Y. 13901 Ms. Carolyn Huston (607) 798-2151	Mgt. Info. Systs.	MS,Ph.D.	3	-	B,H,W	
	Computer Science	MS,Ph.D.	3	-	B,H,W	
SUNY at Buffalo Buffalo,N. Y. 14214 Ms. Anne Sweitzer (518) 473-0520 Dr. Andrew W. Holt (518) 636-2942	Law	JD	-	2	M,W	$ 7,020

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
NORTH CAROLINA						
North Carolina Central Univ. Durham, N. C. 27707 Dr. C. L. Patterson (919) 683-6230	Law	JD	3	-	B	$12,960
Univ. of North Carolina Chapel Hill, N. C. 27514 Dr. Blyden Jackson (919) 933-1058	Political Science	MA, Ph.D.	1	-	B,N	
	Psychology	MA, Ph.D.	2	-	B,M	
	History	MA, Ph.D.	2	-	W,M	
	Public Health	Ph.D.	3	-	B,N	
	City & Regional Planning	Ph.D.	3	-	B,N,M	
Wake Forest University Winston-Salem, N.C. 27109 Dr. Larry L. Palmer (919) 761-5227	Law	JD	3	-	B	
OHIO						
Bowling Green State Univ. Bowling Green, Ohio 43403 Dr. Winifred Stone (419) 372-2793	Business Admin.	MBA	4	-	W,M	
	Mathematics	Ph.D.	2	3	W,M	
	Biology	MS	5	-	W,M	
	Clinical Psych.	Ph.D.	2	1	W,M	
	Communication/Speech	Ph.D.	2	2	W,M	$ 7,344
Cleveland State Univ. Cleveland, Ohio 44115 Ms. Sheryl King (216) 687-2305	Law	JD	3	2	M,W	
Kent State University Kent, Ohio 44242 Dr. W. Adams (216) 672-2660	Speech Pathology	MA	3	2	W,B	
	History	Ph.D.	-	1	W,B	
	Physics	MS, Ph.D.	2	1	W,B	
	Geology	MS, Ph.D.	1	1	W,B	
	Chemistry	MS, Ph.D.	1	-	W,B	
Ohio State University Columbus, Ohio 43212 Dr. Anne S. Pruitt (614) 422-3915	Mathematics	Ph.D.	3	1	M,W	
	Chemistry	Ph.D.	2	2	M,W	
	Engineering	Ph.D.	-	1	M,W	
University of Akron Akron, Ohio 44325 Dr. Joseph Walton (216) 375-7663	Polymer Science	Ph.D.	-	3	M,W	
	Chemistry	Ph.D.	6	-	M,W	
	Engineering	Ph.D.	1	-	M,W	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l Grant
OHIO (Cont'd.)						
Univ. of Cincinnati Cincinnati, Ohio 45521 Dr. Robert D. Arner (513) 475-4531	Engineering	Ph.D.	3	2	N,H,B,A	
	Chemistry	Ph.D.	-	1	N,H,B,A	
	Business Admin.	MBA	-	1	N,H,B,A	
Wright State University Dayton, Ohio 45435 Dr. Jack Wood (513) 873-2975	Business Admin.	MBA	2	-	M,W	
	Nursing	MS	1	-	M	
OKLAHOMA						
Univ. of Oklahoma-Norman Norman, Okla. 73019 Ms. Marilyn Affleck (405) 325-3811	Fine Arts	MA,Ph.D.	1	-	B,N,H,W	
	Law	JD	2	-	B	
	Chemistry	Ph.D.	1	-	B,N,H,W	
	Engineering	Ph.D.	1	-	B,N,H,W	
Univ. of Oklahoma-Health Sciences Center Oklahoma City, Okla. 73190 Dr. Ralph Daniels (405) 271-2090	Public Health	Ph.D.	5	-	N,M	
	Communication Disorders	Ph.D.	5	-	N,M	$17,280
PENNSYLVANIA						
Carnegie-Mellon Univ. Pittsburgh, Pa. 15213 Dr. Norman Johnson (412) 578-2162	Engineering	Ph.D.	6	-	B,W	
	Policy Sciences	Ph.D.	5	-	B,W	
Pennsylvania State Univ. University Park, Pa. 16802 Dr. Benjamin [illegible]well, Jr. (814) 865-2514	Agriculture	Ph.D.	3	-	B,H,N	
	Business Admin.	Ph.D.	3	-	B,H,N	
Temple University Philadelphia, Pa. 19122 Dr. Gabriele B. Jackson (215) 787-7266	Biology	Ph.D.	4	-	All	
	Communications	Ph.D.	3	-	All	
	Psychology	Ph.D.	2	-	All	
	Business	Ph.D.	4	-	All	
	Health Sciences	Ph.D.	2	-	All	
Univ. of Pennsylvania Philadelphia, Pa. 19104 Dr. Eleanor M. Cox (215) 243-7578	Veterinary Med.	Ph.D.	6	3	M,W	$ 8,640
Univ. of Pittsburgh Pittsburgh, Pa. 15260 Dr. Karl H. Lewis (412) 624-5378	Engineering	MS,Ph.D.	6	-	M,W	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
RHODE ISLAND						
Brown University Providence, R.I. 02912 Dr. Bernard Bruce (401) 863-2209	Engineering	Ph.D.	3	2	W,B,P,A	
	Math Sciences	MS,Ph.D.	8	2	B,H,A,N,W	
	Physics	Ph.D.	4	2	B,H,A,N,W	
	Geological Sci.	MS,Ph.D.	7	-	B,P,A,W	$14,580
SOUTH DAKOTA						
Univ. of South Dakota Vermillion, S. D. 57069 Dr. Rick LaPointe (605) 677-5454	Higher Ed. Admin.	Ph.D.	-	4	N	
TENNESSEE						
Meharry Medical College Nashville, Tenn. 37208 Dr. Charles W. Johnson (615) 327-6212	Immunobiology	Ph.D.	2	-	B	
Tennessee State Univ. Nashville, Tenn. 37203 Dr. James Reeves (615) 320-3491	Engineering	MS	1	2	M	
	Speech Path.	MA,MS	-	1	M	$11,340
Univ. of Tennessee Knoxville, Tenn. 37916 Dr. Gerald E. Hills (615) 974-3466	Engineering	Ph.D.	-	3	B,M	
Vanderbilt University Nashville, Tenn. 37240 Dr. D. Don Welch, Jr. (615) 322-3508	Economics	Ph.D.	2	-	B,W	
	Law	Ph.D.	5	-	B,W	
	Engineering	MS,Ph.D.	2	-	B,W	
TEXAS						
Rice University Houston, Texas 77001 Dr. Janis P. Stout (713) 527-8101	Geology	MS,Ph.D.	2	-	B,H,N	
	Social Sciences	MA,Ph.D.	1	-	B,H,N	
Texas Southern University Houston, Texas 77004 Dr. Alvin J. McNeil (713) 527-7255	Education	Ed.D.	3	-	B,H	
	Law	JD	4	-	B,H	
Univ. of Texas - Dallas Richardson, Texas 75080 Dr. Raymond Lutz (214) 690-2234	Geosciences	Ph.D.	1	-	M,W	
	Environmental Sci.	Ph.D.	3	-	M,W	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
UTAH						
University of Utah						
Salt Lake City, Utah 84112	Law	JD	3	-	B,H	
Dr. James L. Clayton	Chemistry	Ph.D.	2	-	H,B,W	
(801) 581-7642						
VIRGINIA						
Hampton Institute						
Hampton, Va. 23668	Biology	MS	1	-	M,W	
Dr. Hazel J. Garrison	Communication Disorders	MA,Ph.D.	2	-	M	
(804) 727-5454						
University of Virginia						
Charlottesville, Va. 22903	English	Ph.D.	2	-	M	
Dr. William M. Harris	Law	JD	8	-	M	
(804) 924-7923	Business	MBA	2	-	M	
	Engr. & Appl. Sci.	MS,Ph.D.	2	-	M	
Virginia Poly. Institute						
Blacksburg, Va. 24061	Agronomy	MS,Ph.D.	2	-	M,W	
Dr. David Roselle	Chemical Engr.	MS,Ph.D.	2	1	M,W	
(703) 961-5645	Business Admin.	Ph.D.	-	1	M,W	
	Accounting	Ph.D.	2	1	M,W	$10,800
Virginia State Univ.						
Petersburg, Va. 23803	Economics	MA	4	-	M,W,	$10,800
Dr. Edgar A. Toppin						
(804) 520-6431 or 6432						
WASHINGTON						
Central Washington Univ.						
Ellensburg, Wash. 98926	Psychology & Counseling	Med,MS	3	-	M,N	
Dr. Dale Comstock						
(509) 963-3101						
Gonzaga University						
Spokane, Wash. 99258	Law	JD	5	-	B,N,H, & Pacific Islander	
Ms. Mary K. Lundwall						
(509) 326-5310, Ext. 53						
Seattle Pacific Univ.						
Seattle, Wash. 98119	Bilingual Educ.	MA	3	-	M	
Dr. Eunice Schmidt						
(206) 281-2214						
Univ. of Washington						
Seattle, Wash. 98195	Fisheries	MS,Ph.D.	-	2	M,W	
Dr. Ronald Geballe	Forest Resources	MS,Ph.D.	-	2	M,W	
(206) 543-5900	Oceanography	MS,Ph.D.	-	1	M,W	
Washington State Univ.						
Pullman, Wash. 99164	Veterinary Science	Ph.D.	3	-	M,W	
Dr. M. I. Johnson						
(509) 335-9661						

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l Grant
WISCONSIN						
Marquette University						
Milwaukee, Wisc. 53233	Electrical Engr.	Ph.D.	-	1	M,W	
Dr. James M. Green	Environ. Engr.	Ph.D.	-	1	M,W	
(414) 224-7137	Biology	Ph.D.	-	2	B	$17,086
Univ. of Wisconsin-Madison						
Madison, Wisc. 53706	Chemical Engr.	Ph.D.	5	2	B,H,N,P,W	
Dean Robert M. Bock	Earth Sciences	Ph.D.	4	2	B,H,N,P,W	
(608) 262-1044	Plant Sciences	MS,Ph.D.	-	1	B,H,N,P,W	$12,960
Univ. of Wisconsin-Milwaukee						
Milwaukee, Wisc. 53201	Business Admin.	MBA,Ph.D.	-	2	H,B,W	
Dr. George W. Keulks	Management Sci.	MA	2	-	H,B,W	
(414) 963-5483	Engineering	Ph.D.	5	1	H,B,W	
	Geosciences	MS,Ph.D.	1	2	H,B,W	
	Nursing	MS	-	1	H,B,W	
	Architecture	MA	3	1	H,B,W	
		TOTALS	785	217		$357,718

FY 1980
(1980-81 Academic Year)
PUBLIC SERVICE EDUCATION PROGRAM

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
ARIZONA				
Arizona State Univ. Tempe 85281 Dr. Nicholas L. Henry Director Center for Public Affairs (602) 965-3926	State and Local Government	6	-	$45,225
University of Arizona Tucson 85721 Dr. Lawrence D. Mann Prof. of Public Admin. & Dept. Head, Urban Planning (602) 626-1149	Public Admin. (Minorities & Disadvantaged)	-	4	---
CALIFORNIA				
Univ. of Calif., Berkeley Berkeley 94720 Dr. Allan P. Sindler Dean, Grad. Sch. of Public Policy (415) 642-4670	Public Policy	-	3	---
COLORADO				
Colorado State Univ. Ft. Collins 80523 Dr. Phillip O. Foss Prof. of Political Science (303) 692-2825	Rural & Local Government	4	2	---
Univ. of Denver-Colo. Seminary Denver 80208 Dr. Gordon E. Von Stroh Director & Prof. of Public Management & Admin. Sch. of Public Management (303) 753-3435	Public Management	4	-	$43,200
CONNECTICUT				
Yale University New Haven 06520 Prof. Donald G. Ogilvie Assoc. Dean, School of Organization & Management & Dr. Geoffrey D. Hazard Co-Director, Fellowship Program (203) 432-4198	Public Management	3	-	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
DELAWARE				
University of Delaware Newark 19711 Dr. Daniel Rich Acting Dean, College of Urban Affairs & Public Policy (302) 738-2394	Urban Affairs & Public Policy	4	3	---
FLORIDA				
Florida State University Tallahassee 32306 Dr. Augustus B. Turnbull, III Chairperson, Department of Public Administration (904) 644-3525	Urban Admin.	4	5	---
University of Florida Gainesville 32611 Dr. William A. Kelso Prof. of Political Science (904) 392-0279 and Dr. Albert R. Matheny Prof. of Political Science (904) 392-0249	Public Management: Court Management & Community Service	5	-	---
GEORGIA				
University of Georgia Athens 30602 Dr. Delmer D. Dunn Dir., Institute of Government (404) 542-2736	Public Admin.	-	3	---
ILLINOIS				
Northeastern Illinois Univ. Chicago 60625 Dr. Valerie J. Simms Asst. Prof., Political Science & Program Director (312) 583-4050, ext. 8160	Public Admin.	3	-	---
Northwestern University Evanston 60201 Dr. Louis H. Masotti Dir., Public Management Program (312) 492-3415	Public Management	-	5	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
ILLINOIS (Cont'd.)				
Southern Ill. Univ.-Edwardsville Edwardsville 62026 Dr. Michael Quinn Program Dir., Urban Studies (618) 692-3762	Urban Studies	-	6	---
Univ. of Ill., Chicago Circle Chicago 60680 Dr. John Wanat, Director Public Agency Administration (312) 996-3105	Public Admin.	3	-	---
Western Illinois Univ. Macomb 61455 Dr. R. W. Crockett Assoc. Prof. of Political Science (309) 298-1445	Public Admin.	-	2	---
INDIANA				
Indiana University Indianapolis 46202 Dr. Jack W. Hopkins, Dir. Public Affairs Grad. Program & International Program. (812) 337-3107	Public & Environ. Affairs	6	1	---
IOWA				
Drake University Des Moines 50311 Dr. Mel E. Arslander Acting Director, Institute of Public Affairs & Admin. (515) 271-2913	Public Affairs & Administration	5	-	---
KENTUCKY				
Kentucky State Univ. Frankfort 40601 Dr. Gary S. Cox, Dean School of Public Affairs (502) 564-6117	Public Affairs & Administration	4	-	---
University of Kentucky Lexington 40506 Dr. Merlin M. Hackbart Acting Director, James W. Martin Grad. Center for Public Admin. (606) 258-5741	Public Admin.	4	-	$19,980

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
LOUISIANA				
Univ. of New Orleans New Orleans 70122 Dr. Robert Sternhell Asst. Prof., Urban & Regional Planning & Public Admin. & Coordinator of MPA Program (504) 283-0277	Urban & Regional	4	-	---
MARYLAND				
University of Maryland College Park 20742 Dr. Charles Levine Acting Dir., Institute for Urban Studies & Dr. William H. Hanna, Co-Dir. Dept. of Family & Community Development (301) 454-5195	Urban Studies	-	6	---
MASSACHUSETTS				
Brandeis University Florence Heller School Waltham 02154 Dr. Leonard Hausman Faculty Chairperson Human Ser. Management Program (617) 647-2936	Public Management	6	-	---
Harvard University Cambridge 02138 Dr. Dorothy E. Bambach Dean of Students J.F.Kennedy Sch. of Gov't. (617) 495-2101	Public Policy	-	6	---
Mass. Institute of Tech. Cambridge 02139 Dr. Joseph Ferreira, Jr. Assoc. Prof. of Urban Studies & Operations Research Dept. of Urban Studies (617) 253-2017	Urban Studies	-	6	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
MASSACHUSETTS (Cont'd.)				
Tufts University Fletcher Sch. of Law & Diplomacy Medford 02155 Prof. Charles N. Shane Associate Dean (617) 628-5000, ext. 552	Public Service/ Int'l. Affairs	4	-	---
Univ. of Massachusetts Amherst 01033 Dr. Jerome Mileur Director, MPA Program Dept. of Political Science (413) 545-0410	State and Local Government	4	-	---
MICHIGAN				
Michigan State Univ. East Lansing 48824 Dr. Charles F. Cnudde Chairman & Professor of Political Sci. & Public Admin. (517) 355-6590	Public Policy	-	2	---
University of Michigan Ann Arbor 48109 Dr. Jack L. Walker, Director Inst. of Public Policy Studies (313) 764-7248	Public Policy	5	6	---
MINNESOTA				
Mankato State Univ. Mankato 56001 Dr. Robert A. Barrett, Dir. Urban & Regional Studies Inst. (507) 389-1714	Urban Studies	3	-	---
Univ. of Minnesota Minneapolis 55455 Dr. John S. Adams, Director H.H.Humphrey Institute of Public Affairs (612) 373-2653	Public Policy	3	6	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
MISSISSIPPI				
Jackson State Univ. Jackson 39217 Dr. Henry Hall, Director MPPA Degree Program Dept. of Political Science (601) 968-2136	Public Policy	4	3	---
Mississippi State Univ. Mississippi State 39762 Dr. William A. Giles Asst. Prof. of Political Science (601) 325-2711	Public Admin.	5	6	$54,468
MISSOURI				
St. Louis University St. Louis 63103 Dr. George D. Wendel, Dir. Center for Urban Programs (314) 658-3934	Urban Admin.	-	4	---
Univ. of Missouri, Rolla Rolla 65401 Dr. Daniel Babcock Prof. of Engineering Management (314) 341-4556	Public Works Management	-	1	---
NEBRASKA				
Univ. of Nebraska, Omaha Omaha 68101 Dr. David P. Paulsen, Prof. Dept. of Public Administration (402) 554-2625	Public Admin.	-	4	---
NEW HAMPSHIRE				
Antioch-New England Grad. School Keene 03431 Dean Lewis Feldstein Dept. of Administration (603) 357-3122	Rural Admin.	-	6	---
NEW JERSEY				
Princeton University Princeton 08540 Dr. Richard W. Roper, Dir. Program for New Jersey Affairs Woodrow Wilson School (609) 452-4866	Public Policy	3	4	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
NEW YORK				
Columbia University New York 10027 Prof. Demetrios Caraley Grad. Program in Public Affairs & Administration (212) 280-2167	Public Affairs/ Int'l. Affairs	4	-	---
CUNY, Baruch College New York 10010 Dr. David Bresnick Chairperson, Dept. of Public Administration (212) 725-7146	Public Management	4	4	---
CUNY, Hunter College New York 10021 Dr. Donald G. Sullivan Director, Graduate Program in Urban Planning (212) 570-5594	Urban Studies	4	6	$49,680
Fordham University Bronx 10458 Dr. Martin C. Fergus Asst. Prof. of Political Sci. (212) 933-2233, ext. 462	Public Affairs	4	-	---
New School for Social Research New York 10011 Dean Henry Cohen Grad. School of Management & Urban Professions (212) 741-7921	Urban Studies	4	1	$32,789
New York University New York 10003 Dr. Roy L. Sparrow, Director Program in Public Admin. (212) 598-3246	Public Management	4	-	---
SUNY, Res. Foundation, Albany Albany 12201 Dr. James J. Heaphey Professor of Public Admin. (518) 457-1973	Public Affairs	-	2	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
NEW YORK (Cont'd.)				
SUNY, Res. Foundation, Brockport Brockport 14420 Dr. Robert Guhde, Asst. Prof. of Public Administration (716) 395-2375	Public Admin.	-	1	---
SUNY Res. Foundation, Buffalo Buffalo 14260 Dr. John M. Thomas, Dir. Center for Policy Studies (716) 831-4044	Law & Policy Studies	4	-	---
Syracuse University Syracuse 13210 Dr. Bernard Jump, Dir. Maxwell School of Citizenship and Public Affairs (315) 423-4000	Public Admin.	5	-	---
University of Rochester Rochester 14627 Dr. Eric A. Hanushek, Dir. Public Policy Analysis Program (716) 275-2611	Public Policy Analysis	5	-	---
NORTH CAROLINA				
N. C. State University Raleigh 27650 Dr. J. Oliver Williams, Dir., & Assoc. Professor of Public Administration (919) 737-2481	Public Affairs	-	3	---
OHIO				
Miami University Oxford 45056 Dr. Gene E. Willeke, Dir. Inst. of Environ. Sciences (513) 529-2732	Public Affairs (Environmental & Energy)	5	6	---
OKLAHOMA				
University of Tulsa Tulsa 74104 Dr. Earl J. Reeves Dir., of Urban Studies (918) 939-6351, ext. 546	Urban Studies	-	3	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
OREGON				
Lewis & Clark College (Sponsoring Institution) w/ Portland State Univ. 0615 S.W. Palatine Hill Road Portland 97219 Dr. Donald C. Balmer, Dir. MPA Program, Lewis & Clark College (503) 244-6161	Public Admin.	-	-	$30,684
Portland State University w/Lewis & Clark College S.W. Harrison St. P.O. Box 751 Portland 97207 Dr. Ronald C. Cease, Dir. MPA Program, Portland State Univ. (503) 229-3920	Public Admin.	5	3	---
PENNSYLVANIA				
Carnegie-Mellon Univ. Pittsburgh 15213 Dr. Norman Johnson, Assoc. Dean Sch. of Urban & Public Affairs (412) 578-2162	Public Management	6	-	$43,003
Pennsylvania State Univ. University Park 16802 Dr. Robert J. Mowitz, Dir. Institute of Public Admin. (814) 865-2536	Public Admin.	4	-	---
Pennsylvania State Univ. Capitol Campus Middletown 17057 Dr. Daniel M. Poore Chairperson, MPA Program (717) 787-7745	Public Management	4	-	---
PUERTO RICO				
University of Puerto Rico Rio Piedras 00931 Dr. Jose J. Bauermeister Chairperson, Dept. of Psychology (809) 764-0000, ext. 2100	Public Management	5	-	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
SOUTH DAKOTA				
University of South Dakota Vermillion 57069 Dr. Donald C. Dahlin, Chairman Dept. of Political Science & Dr. C. Kenneth Meyer, Co-Director (605) 677-5242	Public Admin.	3	-	---
TENNESSEE				
Univ. of Tennessee, Knoxville Knoxville 37916 Dr. Steven M. Neuse Prof. & Coordinator, MPA Program (615) 974-3365	Public Admin.	-	4	---
TEXAS				
Texas Tech University Lubbock 79409 Dr. N. Joseph Cayer, Dir. Center for Public Service (806) 742-3125	Public Admin.	-	4	---
Trinity University San Antonio 78284 Dr. Earl M. Lewis Prof. & Chairperson Dept. of Urban Studies (512) 736-7011	Urban Studies	4	4	---
Univ. of Houston, Central Campus Houston 77004 Dr. Robert D. Thomas Assoc. Prof. & Director MPA Program College of Social Sciences (713) 749-4892	Urban Studies/ Urban Management	3	-	---
University of Texas, Austin Austin 78712 Dr. Richard L. Schott Assoc. Prof. of Public Affairs Dr. Jared E. Hazelton, Assoc. Dean LBJ School of Public Affairs (512) 471-4962	Public Affairs	5	6	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
VIRGINIA				
Virginia Commonwealth Univ. Richmond 23284 Dr. Leigh E. Grosenick Chairman & Director Dept. of Public Admin. (804) 257-1046	Public Admin.	3	-	---
WASHINGTON				
Seattle University Seattle 98122 Dr. James Sawyer, Dir. Institute of Public Service (206) 626-6373	Public Admin.	-	6	---
University of Washington Seattle 98195 Dr. Brewster Denny, Dean Grad. School of Public Affairs (206) 543-4920	Public Affairs	5	-	$32,453
WEST VIRGINIA				
West Virginia University Morgantown 26506 Dr. Herman Mertins, Jr. Chairman, Dept. of Public Administration (304) 293-2614	Public Admin.	2	7	$43,997
	TOTALS	188	154	$395,479

December 14, 1979

CLEO PARTICIPANT DATA REPORT (1979)

1. Number of students participating in CLEO since its inception:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
161	448	212	221	217	233	225	251	220	221	217	224	2,850

2. Number of students successfully completing the summer institute program:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
151	444	197	210	123	229	225	244	216	208	213	222	2,722

3. Number of summer institute graduates entering law school:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
131	400	191	207	210	218	219	234	205	197	203	214	2,629

4. Number of students who have graduated from law school:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
83	292	130	138	142	158	161	157	149	NA	NA	NA	1,410

5. Number of law school graduates who have passed the bar examination:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
69	176	83	63	56	53	55	47	3	NA	NA	NA	605

6. Number of law school graduates for whom CLEO has no bar data:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
8	85	38	71	81	97	98	98	145	NA	NA	NA	721

7. Number of law school graduates who failed the bar examination:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
7	30	10	3	5	8	6	12	NA	NA	NA	NA	81
			1	(Didn't Take)		2	(Didn't Take)					3
												689

NOTE: Bar information is grossly understated. The CLEO National Office has been conducting an extensive survey over the past year of all CLEO law school graduates to determine more accurate bar statistics. This information is not generally known by the law schools and can only be ascertained with accuracy if it is known in which of the fifty (50) jurisdictions an individual sat for an examination. The survey, when completed, will hopefully provide more satisfactory statistical results.

8. Number of students enrolled in law school receiving CLEO stipends:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
0	0	0	0	0	0	0	0	6	152	159	206	523

9. Number of students enrolled in law school not receiving CLEO stipends:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
0	0	0	0	0	0	0	0	10	2	7	7	26

10. Total number of students enrolled in law school:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
0	0	0	0	0	0	0	0	16	154	166	213	549

11. Number of male students in law school receiving CLEO stipends:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
0	0	0	0	0	0	0	0	4	83	84	102	273

12. Number of female students in law school receiving CLEO stipends:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
0	0	0	0	0	0	0	0	2	69	75	104	250

13. Unknown Academic Status: some law schools became reluctant in 1978/1979 to release academic data on CLEO students. The academic status of the following students is presently unknown:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
0	0	0	0	0	0	0	25	6	5	4	0	40

14. Number of students who have deferred entrance, withdrawn or failed law school:

	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Deferred entrance	-	-	-	-	-	-	-	-	-	4	3	5
Leave of Absence	-	-	-	-	-	-	-	4	1	3	-	-
Academic Dismissal	21	52	43	49	31	30	31	29	24	23	-	-
Withdrew-good standg.	1	7	10	10	7	1	4	-	-	-	-	-
Withdrew-failing	8	18	7	5	1	3	3	-	-	-	-	-
Withdrew-military	5	6	-	-	-	-	1	-	-	-	-	-
Withdrew-illness/death	1	4	-	1	-	3	2	1	1	2	1	-
Withdrew-financial	-	2	-	1	2	-	-	-	-	1	-	-
Withdrew-unknown	12	18	1	4	28	23	18	18	10	11	9	1
	48	108	61	70	69	60	59	52	36	47	36	6

15. Number of students presently receiving CLEO stipends - by ethnic breakdown:

	1976	1977	1978	1979	TOTAL
American Indian	-	-	-	3	3
Appalachian	1	-	-	1	2
Asian American	-	5	4	5	14
Black	8	80	102	111	301
Black Panamanian	-	-	1	-	1
Black West Indian	-	1	-	-	1
Caucasian	-	2	2	6	10
Chicano	6	44	34	55	139
Cuban American	-	3	2	5	10
Dominican American	-	-	1	0	1
Filipino American	-	-	-	1	1
Hawaiian	-	-	1	-	1
Italian American	-	-	1	-	1
Puerto Rican	1	17	16	18	52
Spanish Surname	-	2	2	2	6
Other Groups	-	-	-	5	5
TOTAL	16	159	166	213	549

16. Number of students who audited the summer institute programs:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
0	1	6	3	1	16	23	5	9	11	10	6	91

17. Anticipated law school enrollment of CLEO participants in 1979-80: 220

18. Number of law schools who have participated by accepting CLEO students: 144

As Table I indicates, 1,241 of the first eight classes of CLEO students have now graduated from law school of the 1,810 who enrolled, representing a 69% success rate. Of the three remaining classes, 1976-1978, 574 students are presently in law school of the 605 who enrolled, i.e., 95% are successfully negotiating the law school curriculum.

Having completed the initial phase of the data retrieval project, CLEO has on hand bar performance data pertaining to 616 Program participants. As Table I demonstrates, 540 CLEO Fellows have passed the bar and been admitted to practice. This figure reflects an 87% success ratio for known bar performance, an evidently outstanding achievement. The data retrieval project's secondary phase is currently underway. It is anticipated that additional bar performance data will soon be available.

Finally, and most importantly, is the CLEO Fellows' employment data. Because the central purpose of CLEO has been to provide historically excluded groups with access to sectors of governmental decision-making and the means of peaceful dispute resolution through the legal system, the CLEO Fellows employment data provides additional insight into the overall worth and achievement of the Program. While the following data on CLEO Fellows' employment achievement is by no means complete for 1979, it is nonetheless a significant overview with respect to job dispersal and diversity. Additional information regarding CLEO Fellows' current employment data should be forthcoming soon at the conclusion of the secondary phase of the Program's on-going data retrieval project.

The following Table provides data on CLEO Fellows' employment and career activities as of 1978-1979:

JUDGES

Administrative Law	3
Municipal	1
State District	2

County District Court	1
U.S. Bankruptcy Court	1

LEGAL EDUCATION

Professors (Non-tenured)	4
Professors (Tenured)	1
Associate Deans	1
Associate Director - CLEO	1

ELECTED OFFICIALS

State Representative	1

FULL-TIME GRADUATE SCHOOL

Candidates for LLM	1
Candidates for SJD	1

*PART-TIME GRADUATE SCHOOL

Candidates for LLM	3

UNDERGRADUATE EDUCATION

Professors	5
Deans	1
Special Assistant to the Chancellor	1

*Note: Part-time candidates are reflected only once in the total.

Director of Fundraising for Private University	1
General Counsel for University Students	1

ATTORNEYS IN PUBLIC SECTOR

Assistant Prosecutors	3
City Attorneys	11
State District Attorneys	10
Federal Agencies, (Administration)	1
Federal Agencies, (Litigation)	25
Judge Advocates General Corps (Military)	3
Judicial Law Clerks	3
Executive Directors, Legal Services	4
Managing Attorneys, Legal Services	7
Staff Attorneys, Legal Services	32
Municipal Government (Administration)	1
Municipal Government (Litigation)	3
Municipal Government (Executive Director)	4
Public Defenders (State & Federal)	11
Public Interest Organizations (Administration)	5
Public Interest Organizations (Litigation)	1
Office of State Attorneys General	15
State Government (Administration)	2
State Government (Litigation)	11
Office of U.S. Attorney	11

PRIVATE SECTOR

Congressional Aides (House of Representatives)	1
Congressional Aides (Senate)	2
Corporate Practice (Litigation)	22

Corporations, Banks, Insurance Companies, Accounting Firms, et. al (Administrat'n)	5
Entrepreneur (Owner of a Real Estate firm)	1
Law Clerk	2
Partner in a Law Firm (3 or more partners in firm)	17
Private Practice (Sole practitioner or partnership)	57
Staff Attorney in a Law Firm (3 or more partners in firm)	7
Staff Attorney in a Small Law Firm	1
Total	305

As the available data indicates, CLEO Fellows are presently engaged in a broad spectrum of legal and law-related activities: judgeships; law teaching; directorships of Legal Services Projects; or otherwise representing their community in the political, economic and social arenas of American society.

When one considers that the program consciously services students that the objective predictors showed to be high risk candidates, the CLEO Fellows' academic and post-law school performance successes assume even greater significance.

THE CLEO REAUTHORIZATION PROPOSAL

The proposal for CLEO reauthorization under Title IX of the Higher Education Act of 1965, as amended, is focused upon the need for an increase in the number of students served under the Program, as well as an increase in the amount of the stipend awarded through the CLEO fellowship. While no specific figures regarding program size or fellowship amount are suggested herein, the CLEO Council has approached these issues from the standpoint of increasing the size of the program from 200 students per year up to twice that number as is permissible under the present legislation.

APPENDIX A

A Summary Paper of Major Concerns Confronting Graduate and Professional Education

Major Concerns Confronting Graduate and Professional Education

As part of the Fiscal Year 1977 annual evaluation of Title IX programs, a series of conferences was held in order, among other things, to identify the major concerns of graduate education at the present time and for the foreseeable future. The participants in these conferences were representatives of a stratified random sample of 32 graduate schools located throughout the United States. Part of the impetus for these conferences was the feeling that a statement of the perceived issues in graduate education would provide a useful context in which to understand and evaluate the efforts of Title IX. The views emerging from these conferences constitute a valuable source of information and are of considerable use in assessing the actual and potential role of Title IX.

The views presented here should not be considered as necessarily those of the Department of Education. They are, however, a summary of critical concerns identified by a number of persons concerned with graduate and professional education in the United States.

Overview

During the past 30 years, graduate education in the United States has grown from a relatively modest endeavor aimed primarily toward the training of teachers into a diverse and complex enterprise involving approximately 700,000 students with a variety of objectives. During this time, the bulk of the support provided by the Federal Government has been in the form of fellowships, research and teaching assistantships, and research grants.

Changes in national priorities have brought about changes in Federal support of graduate education. This support has shifted from defense and technological development following World War II to civil rights, health care, and economic improvement beginning in the 1960's. The social legislation of the 1960's opened up new opportunities for minorities, including access to higher education, which has emerged as one of the primary concerns of the Federal Government. Other concerns, particularly among graduate deans, include the maintenance of excellence, the implications of the reduction in the growth of the graduate enterprise, employment, credentialism, and the status of the humanities.

A. Access to Graduate Education

Access to graduate education, particularly for underrepresented groups, such as minorities and women, is perhaps the most critical issue currently facing graduate education.

1. Minority Access

Substantial increases in minority admissions to graduate and professional schools began around 1968. These increases paralleled the introduction of various forms of more flexible administration procedures and enrichment programs. Nevertheless, minorities still do not participate in graduate education in proportion to their numbers in society.

Various reasons have been given for the underrepresentation of minorities in graduate education. One is the small number of qualified applicants available. Another is that fewer Federal fellowships are at present being awarded. Also, a growing number of minority students are opting for professional training since the labor demand and financial awards are greater than for graduate degree recipients. Another problem is the relatively high attrition rate for minorities in graduate studies, brought about perhaps by financial hardship, lack of preparation for advanced study and outside obligations. One of the few exceptions is the field of education in which 59% of all Black Ph.D. recipients received their degrees.

2. Women in Graduate Education

Like minorities, women are not represented in proportion to their percentage of the population and have a higher attrition rate than white males. They also gravitate to only a few graduate areas, such as education.

The causes of women's underrepresentation in various fields of graduate study appear to differ from the causes of minority underrepresentation. Most reasons, such as inadequate preparation to enter many fields, seem to be rooted in social sexism.

During the past years, the proportion of women receiving graduate degrees has been increasing: in 1970 women earned only 13.7 percent of all Ph.D.'s, while in 1976 they earned 24.9 percent of the doctorates. 1/

1/ Gilford and Snyder, Women and Minority Ph.D.'s in the 1970's: A Data Book, Washington, D.C.: National Academy of Sciences, 1977.

B. Maintenance of Excellence in Graduate Education

Recent reductions in Federal support, particularly in basic research and fellowships, have forced many universities to reduce their programs, faculty, and enrollment sizes. 2/ Of particular concern to the universities is the decline of support for basic research, which is felt to be essential to graduate education. Some institutions have been forced either to cut back on graduate programs or compete with private research institutions. Also, due to the high costs of research, universities have already had difficulty in maintaining their research libraries, laboratories, and equipment, including computer facilities.

C. Reduction in Growth of Graduate Education

In the early 1970's, many universities experienced a leveling or decline in graduate enrollments. This was at least in part due to the reduction in the demand for new Ph.D.'s, the decrease in financial support for graduate students, and the decline of the job market for Ph.D.'s in many areas. 3/

Because of the reduction in fellowships, research and training assistantships, and research grants, some universities have had to draw upon their endowment principal. Also, the reduction in the number of teaching assistants has forced some institutions to reduce the research time for full-time faculty and to assign them to teach undergraduate courses that had previously been taught by graduate students.

2/ Cheit, Earl F., The New Depressions in Higher Education: A Study of Financial Conditions at 41 Colleges and Universities, sponsored by the Carnegie Commission of Higher Education and the Ford Foundation, New York, New York: McGraw-Hill, 1971.

3/ Trivett, David, Graduate Education in the 70's, ERIC/Higher Education Research Report No. 7, 1977, page 12.

Due to the decline of graduate enrollments and funding levels, there are fewer opportunities in academic employment for current and future graduates. These cutbacks have already caused the reduction or elimination of graduate programs by many universities. The shift in Federal funding from basic to applied research has begun to affect graduate programs, since applied research projects often require the outside hiring of specifically trained personnel instead of graduate students.

D. Employment of Graduates

As is well known, Ph.D.'s in many fields find considerable difficulty in securing employment commensurate with their training. The planning for enrollments in and support of graduate education on the basis of employment projections has been a hazardous undertaking. Due to the long-term training needed for the Ph.D., policy decisions based on the immediate state of the labor market may actually contribute to shortages of doctorates in subsequent years rather than alleviate them. Employment problems contribute to the problem of stagnation and malaise in the graduate enterprise.

E. Credentialism

The concern with credentialism is that increasing numbers of individuals are entering graduate programs on a part-time basis to receive credentials in order to secure higher paying or more interesting jobs. This results in a change in the traditional view of the Ph.D. degree as a research and scholarship diploma.

F. Humanities

The problems of the humanities appear to revolve around the issue of inadequate funding and employment. Recent cutbacks have caused shortages of staff and resources necessary for delivery of basic skills, particularly at the undergraduate level. Some feel that this has had a direct impact on the quality of education at the elementary and secondary levels, as manifested by the reduction in reading and writing skills of students entering higher education.

APPENDIX B

Title IX Awards for Fiscal Years 1976 through 1980

Public Service Programs

The overall goal of this program is to expand and improve the training of persons for the public service. Two types of awards are made on a competitive basis: institutional and fellowship. The purpose of institutional grants is to strengthen and improve programs in the field of public service. Fellowship awards are made to qualified graduate students to assist them in obtaining advanced training for public service careers.

Data from the files indicate that the majority of institutions receiving Public Service awards offer the Master in Public Administration degree. The most frequent objective of the graduate programs is preparation for work at the local and State level; this was the case for 49 percent of the programs. Other programs (20 percent) emphasize training at the Federal level, training for already working public administrators (22 percent), or specialized training at urban or rural levels. One half of the programs are two years in length and the majority require or offer practical work internships.

The following pages offer more detailed information from the program files on the Public Service awards for 1976-77 as well as a list of awards for academic years 1978-79 and 1979-80.

Public Service Awards, 1976-77 (FY 1976)

In 1976-77, the U.S. Office of Education continued to support the Education for the Public Service Program as authorized under Title IX, Parts A and C, of the Higher Education Act of 1965, as amended. The objectives of this grant program are two-fold:

1. To establish, strengthen, and improve programs designed to prepare graduate and professional students for public service.
2. To attract highly qualified students and support the graduate or professional study of persons planning to pursue a career in public service.

These objectives were met by awarding institutional grants and fellowships for the support of graduate students to approved public service programs at institutions of higher education.

The following section summarizes the program files for the 1976-77 academic year and is based on information drawn from the proposals, correspondence, and reports submitted to USOE by institutions receiving these grants. Some of the data on institutions presented here will be incomplete (and the numbers reported may therefore be lower than is actually the case) because much of this information was not required of the institutions.

Public Service Programs in 1976-77

Public Service programs were funded in 36 States, the District of Columbia, Puerto Rico, and the Virgin Islands, with institutional grants and fellowships amounting to $4 million at 92 institutions. One hundred forty-eight institutions submitted requests for $7.5 million in institutional grants and 132 institutions requested 949 fellowships, amounting to $5.8 million. Of the institutions awarded grants by this program, three-quarters (68 or 74%) were public institutions.

The majority of the institutions (52 or 57%) granted the M.P.A. degree, and six more were in the process of developing that degree. Seventeen institutions reported a doctorate program, i.e., Ph.D., D.P.A. or D.U.A. (see Table 1). Many of the programs (35) were interdepartmental or interdisciplinary, and a number of schools reported cooperative arrangements with other graduate schools, departments, and institutions that offered joint degree programs, shared resources, or speciality training.

The programs focused on preparing persons for all levels of public service. Many emphasized local and State government (45) and provided training to already working public administrators (20) (see Table 2). Much concern was expressed about improving public management within the States, and training was emphasized in the specific areas of urban management (15) and rural management (5). A number of institutions offered specialized degree programs of state-wide importance, such as Coastal Zone Management at the University of West Florida, American Indian Administration at the University of Arizona, and Natural Resources Management at Colorado State University. While 27 institutions offered a generalist curriculum, a number emphasized service at the Federal level (18) and international level (2).

The institutions are generally increasing public service degree requirements, with a decrease in the number of one-year degree programs (17, or 18%), and corresponding increase in 1.5-year programs (25, or 27%) (see Table 3). One-half of the programs (46) are now two-year; this increase may be attributed to an increase in the number of schools requiring three-month to nine-month internship experiences before graduation. In 1975-76, only 48 programs reported this practical work experience, while this year 62 institutions reported either required (39) or optional (26) internships.

A list of grantee institutions and the amount awarded to each is provided in Table 8.

Institutional Grants

Institutional grants totalling $2 million were awarded to 80 institutions in amounts ranging from $8,000 to $50,000.

The institutions used the funds in a variety of ways (see Table 4), expending them in the five areas authorized by Federal regulations: (1) faculty improvement; (2) expansion of programs; (3) strengthening graduate and professional school administration; (4) acquisition of instructional equipment and materials; and (5) development or carrying out of cooperative arrangements among graduate and professional schools.

The most common means of faculty improvement was the hiring of new faculty (41), a figure that might have been higher but for the late award of grants that year (September 1). A large number of schools (25) hired Adjunct Professors, or brought in guest practitioners and lecturers, because there had been too little time for faculty recruitment. Eleven institutions expanded the size of their faculty by hiring graduate assistants. Many of the schools used the grant to support on-going or summer research by faculty and students (16). Others expended the funds for faculty training such as workshops (14) and paying the expenses of attendance at professional association conferences (8).

The grant funds have permitted many schools to significantly expand their public service programs, and the grants were credited with helping establish independent departments in 8 institutions during the year. While 35 grantees were able to add new courses to the curriculum, many institutions (35) emphasized the benefits of expanding and developing a strong internship program. Public service education was made more widely available, as 16 institutions reported developing an off-campus thrust by offering classes at night or to non-campus areas.

Institutional administration was strengthened by hiring staff and providing for faculty time to offer better career guidance and placement to students (21). While several institutions hired more staff to simply improve the administrative structure (13), many specifically used the funds to recruit students (12) and monitor the progress of graduates (3).

Fellowship Grants

Seventy-three institutions were awarded fellowship grants worth $2 million to support 250 new and 105 continuing fellowships. The fellowship program was changed in two ways that responded to criticism from the previous year. Most of the 1975-76 Fellows who had not yet completed their program were given continued funding and thus received some security throughout the length of the degree program. Also, the fellowships for those completing their degree or vacating their fellowships could then be transferred to another deserving student for the remainder of the year. Thus, 377 students were fellowship recipients instead of the planned 355.

In requesting fellowship funds, many institutions stressed the need to offer financial support for full-time graduate students (18). These institutions argued that such support would attract students otherwise unable to afford public service training (see Table 5). A number of grantees planned to use the funds to attract underrepresented women and/or minorities (13). Other institutions felt that the fellowships gave status to the program and would attract higher quality students (14). Some emphasized the internship experience that could be funded by the fellowships (8).

The majority (57 percent) of the 1976-77 Fellows were male. All but two of the Fellows were pursuing Master's degrees. Most of the Fellows participated in internships (361), while 26 were involved in research. This data may be misleading, since most students had thesis or major paper requirements that would involve research as well as practical experiences.

Table 7 describes the status of the Fellows at the end of the grant year. It shows that 128 Fellows completed the degree programs in 1976-77 and 162 were continuing as students in 1977-78. Of the 33 vacated fellowships, many were mid-year graduates, while others left for employment and personal reasons. Almost all vacated fellowships were filled with replacements. Of the 1976-77 Fellows, 141 secured employment in a public-service-related position. Some

Fellows also found employment in unrelated areas (22), usually with profit-making organizations, while 47 were either still seeking employment or were continuing their education elsewhere.

Institutions awarded Public Service monies were not required to submit a narrative final report. Nevertheless, from other documents submitted by the institutions, it is possible to identify several positive aspects which some institutions perceive in the program. The most frequently mentioned positive aspect of the program was that it provided financial support and made possible full-time study. In addition, it made possible special services for the Fellows, including attendance at professional association conferences. Fellowship money attracted interest in the department. A number of institutions applauded the Public Service fellowship's emphasis on a practical internship experience and were appreciative of the program change permitting replacement of vacated Fellows.

The primary negative aspect of the program was the lateness of the grant awards which were made on September 1, 1976. As in the Domestic Mining program, optimal use could not be made of funds. There was no time to recruit students who were not already planning to attend and no time to recruit already committed faculty. As a result, $67,000 (1.7 percent of the total appropriated funds) of obligated funds were not spent. However, 1976 was an unusual year. Program regulations were not forwarded until July 9, 1976 to Congress where they experienced delays in clearances while members of Congress attended nomination conventions.

Table 1

DEGREES GRANTED IN PUBLIC SERVICE PROGRAMS

1976-77

Degree	Frequency	% of 92 schools
M.A.	22	24
M.S.	6	7
M.P.A. 1/	52	57
Other professional master's degrees	17	18
Ph.D.	10	11
D.P.A. 2/ or D.U.A. 3/	7	8

1/ Master of Public Affairs
2/ Doctor of Public Affairs
3/ Doctor of Urban Affairs

Table 2

OBJECTIVES OF GRADUATE PROGRAMS ACCORDING TO PROPOSAL PROGRAM DESCRIPTIONS

1976-77

Objective	Frequency	% of 92 schools
To prepare public service professionals at the:		
local and State level	45	49
Federal level	18	20
international level	2	2
generalist level	27	29
urban level	15	16
rural level	5	5
non-profit organization level	8	9
manager in Technical fields level (e.g., City Engineer)	5	5
To provide training to working public administrators	20	22

Table 3

CHARACTERISTICS OF THE 92 PUBLIC SERVICE PROGRAMS

1976-77

Characteristic	Frequency	% of Schools
Length of Masters Program		
1 year	17	18
1.5 years	25	27
2 years	46	50
Internship		
Required	38	41
Optional	26	28
Research requirement	18	20
Interdisciplinary	35	38

Table 4

EXPENDITURES OF INSTITUTIONAL GRANTS, 1976-77

Areas of Expenditures	Frequency	% of Schools (N=80)
Faculty Improvement	121	
Hiring new faculty	41	51
Paying for Guest Professors/Practitioners	25	31
Supporting faculty/student research	16	20
Training faculty	14	18
Providing for teacher/graduate assistants	11	14
Paying for professional association conferences	8	10
Providing release time	6	8
Expansion of Program	129	
Adding new courses	35	44
Expanding internship program	35	44
Review and evaluation of existing curriculum	21	26
Developing new programs	17	21
Developing an off-campus thrust	16	20
Providing consultants/advisory council	5	6
Strengthening Graduate and Professional School Administration	51	
Providing career guidance and placement services	21	26
Supporting administrative staff	13	16
Recruitment of students	12	15
Monitor progress of graduates	3	4
Providing administrative system support (equipment, computer programs, etc.)	2	3
Acquisition of Instructional Equipment	16	
Development and evaluation of case materials	11	14
Expanding library facilities	5	6
Cooperative Arrangements among Professional and Graduate Schools	23	
Providing faculty to work on developing cooperative programs	11	14
Strengthening/establishing relationships with outside resources	12	15

Table 5

CHARACTERISTICS OF 73 PUBLIC SERVICE FELLOWSHIP PROGRAMS 1976-77

Characteristics	Frequency	%
Objectives of Program		
Providing financial support	18	25
Attract/prepare students for public service	18	25
Attract higher quality students	14	19
Attract more women and/or minorities	13	18
Provide training thru work	8	11
Comments about Program		
Strengths		
Provide financial support/allow full-time study	19	26
Special services could be provided to Fellows	14	19
Expands and gives support program-wide	14	19
Attracts interest in the Department	11	15
Requires practical Intern experience	6	8
Can replace graduates/vacated Fellowships	4	5
Weaknesses		
Too late to recruit students	10	14
Too late to recruit faculty	6	8
Insufficient number of Fellowship	3	4

Table 6

CHARACTERISTICS OF 377 PUBLIC SERVICE FELLOWS
1976-77

	Sex		Level of Study		Activities as Student	
	Male	Female	Masters	Ph.D.	Internship	Research
Frequency	212	165	375	2	349	26
% of Fellows	56	44	99	1	93	7

Table 7

STATUS OF 377 PUBLIC SERVICE FELLOWS

1976-77

	At End of Year				Positions Obtained		
	Graduates	Continuing Students	Vacated Fellowship	Unknown	Public Service	Other	Unemployed or Seeking Further Degree
Frequency	128	162	33	54	141	22	47
% of Fellows	34	43	9	14	37	6	12

TABLE 8

Education for the Public Service 1976-77 Academic Year

State	Fellowship Awards			Institutional Grants
	Funds	New Fellowships	Continuing Fellowships	Funds
Arizona				
Arizona State University	$ 26,016	4	—	$ 17,800
University of Arizona	45,300	3	5	35,000
California				
California State University, Hayward	32,520	5	—	28,000
California State University, Long Beach				38,500
California State University, Los Angeles				50,000
Stanford University	26,016	4	—	
University of California, Berkeley	30,504	5		32,500
University of California, Los Angeles				25,000
University of California, Santa Barbara	26,016	4	—	
University of Southern California	29,768	3	4	26,200
Colorado				
Colorado State University	26,016	4	—	14,000
University of Colorado	26,016	4	—	33,000
University of Denver				26,000
Connecticut				
University of Connecticut	26,016	4	—	23,000
Delaware				
University of Delaware	29,268	3	2	27,000
District of Columbia				
American University	29,544	3	3	23,100
John Hopkins University, SAIS	21,000	4	—	8,000
Florida				
Florida State University				20,000
University of West Florida	26,016	4	—	34,800
Georgia				
Atlanta University	24,504	4	—	33,000
University of Georgia	36,200	3	4	26,500
Idaho				
University of Idaho	27,024	4	--	12,900
Illinois				
George Williams College				15,300
Northwestern University	28,796	3	2	28,000
University of Chicago	24,504	4	--	8,000
University of Illinois Chicago Circle Campus	18,756	--	4	17,500
Western Illinois University				14,000
Indiana				
Indiana University	37,008	--	6	35,000
Iowa				
Drake University	25,008	4	--	18,000
Iowa State University				31,900
University of Iowa	22,336	3	2	

	Fellowship Award			Institutional Grants
State	Funds	New Fellowships	Continuing Fellowships	Funds
Kansas				
University of Kansas	24,000	4	—	23,000
Kentucky				
Eastern Kentucky University				17,600
Kentucky State University	24,540	4	—	25,600
Maryland				
University of Maryland College Park Campus	30,000	5	—	22,500
Massachusetts				
Boston University	26,016	4	—	20,300
Brandeis University	26,016	4	—	12,000
Harvard University	23,848	2	2	14,000
Tufts University	24,640	2	2	
Michigan				
Michigan State University	26,016	4	—	
University of Michigan	36,504	3	4	45,000
Western Michigan University				27,000
Minnesota				
Makota State University	45,528	4	6	30,000
University of Minnesota				9,200
Mississippi				
Jackson State University	26,016	6	—	
Missouri				
University of Missouri at Columbia	19,512	—	4	30,000
University of Missouri at Kansas City	26,016	4	—	20,500
University of Missouri at Rolla				20,600
Washington University	26,016	4	—	
Montana				
Montana State University	13,008	2	—	32,900
Nebraska				
University of Nebraska at Omaha				32,000
New Jersey				
Princeton University	30,420	—	6	35,000
Rider College				38,000
Rutgers the State University Newark Campus	31,008	3	5	25,000
Rutgers the State University New Brunswick Campus	19,512	3	—	
New Mexico				
University of New Mexico	28,184	4	1	28,000

State	Fellowship Award			Institutional Grants
	Funds	New Fellowships	Continuing Fellowships	Funds
New York				
CUNY Bernard Baruch College	36,856	4	5	34,000
CUNY Hunter College	24,504	4	—	17,600
CUNY John Jay College of Criminal Justice	29,734	4	1	23,000
New York School for Social Research	27,756	3	2	14,000
New York University				15,000
SUNY at Albany	28,676	—	6	50,000
SUNY at Binghamton	32,016	4	1	25,000
SUNY at Stoney Brook				20,000
Syracuse University	32,520	5	—	24,500
North Carolina				
Duke University	24,504	4	—	23,000
University of North Carolina at Chapel Hill	26,016	4	—	35,000
Ohio				
Ohio State University	22,878	2	3	25,000
University of Cincinnati				18,000
Oregon				
Lewis and Clark College Portland State University	26,016	4	—	40,000
University of Oregon	26,016	4	—	
Pennsylvania				
Carnegie-Mellon University	50,898	5	4	31,700
Marywood College				26,600
Pennsylvania State University	25,512	4	—	
Pennsylvania State University Capitol Campus	24,504	4	—	24,500
University of Pennsylvania	26,016	4	—	10,000
University of Pittsburgh	20,000	—	5	28,500
Puerto Rico				
University of Puerto Rico	26,016	4	—	25,000
South Dakota				
University of South Dakota				21,000
Tennessee				
University of Tennessee	8,672	—	4	25,400
Texas				
Texas Southern University	26,016	4	—	41,000
Texas Tech University	26,016	4	—	10,400
Trinity University	24,504	4	—	16,000
University of Texas at Arlington	32,520	4	3	29,000
University of Texas at Austin	37,674	3	3	23,500
University of Texas at San Antonio	25,008	4	—	18,000
Virginia				
Old Dominion University Norfolk State University	25,512	4	—	15,000
University of Virginia	25,512	4	—	

State	Fellowship Award Funds	 New Fellowships	 Continuing Fellowships	Institutional Grants Funds
Washington				
Seattle University	13,126	4	1	
University of Washington	43,398	3	5	33,000
West Virginia				
West Virginia University	25,008	4	--	25,000
Wisconsin				
University of Wisconsin	25,512	4	--	22,100
TOTAL	$2,000,000	250	105	$2,000,000

TABLE 9

EDUCATION FOR THE PUBLIC SERVICE
1978-79 Academic Year

State and Institution	Institutional Award	Fellowship Award
ALABAMA		
University of Alabama, University	-----	$39,000
ARIZONA		
Arizona State University, Tempe	$19,000	27,300
University of Arizona, Tucson	-----	31,200
CALIFORNIA		
California State College, Stanislaus	-----	11,700
California State University, Long Beach	-----	37,050
Stanford University, Palo Alto	20,904	-----
University of California, Berkeley	-----	39,000
University of California, Riverside	11,975	18,200
University of California, Santa Barbara	-----	31,200
University of Southern California, Los Angeles	-----	31,200
COLORADO		
Colorado State University, Fort Collins	-----	23,400
University of Colorado, Denver	13,070	23,400
University of Denver, Colorado Seminary	-----	15,600
CONNECTICUT		
University of Connecticut, Storrs	13,000	31,200
DELAWARE		
University of Delaware, Newark	22,360	31,200
DISTRICT OF COLUMBIA		
American University	-----	17,550
Johns Hopkins University, School of Advanced International Studies	12,000	11,700
University of District of Columbia	20,325	-----
FLORIDA		
Florida Atlantic University, Ft. Lauderdale	10,750	31,200
Florida State University, Tallahassee	11,500	23,400
University of West Florida, Pensacola	20,000	15,600

(More)

State and Institution	Institutional Award	FELLOWSHIP AWARD
GEORGIA		
Atlanta University	$30,000	$39,000
University of Georgia, Athens	-----	35,100
IDAHO		
University of Idaho, Moscow	11,000	22,100
ILLINOIS		
Governors State University, Park Forest South	13,132	-----
Northern Illinois University, DeKalb	7,236	23,400
Northwestern University, Evanston	12,000	33,150
Southern Illinois University, Edwardsville	-----	23,400
University of Chicago	-----	15,600
University of Illinois, Chicago Circle	-----	23,400
Western Illinois University, Macomb	13,670	15,600
INDIANA		
Indiana University, Indianapolis	-----	40,950
Purdue University, West Lafayette	15,815	-----
IOWA		
Drake University, Des Moines	-----	31,200
KENTUCKY		
Eastern Kentucky University, Richmond	13,800	-----
Kentucky State University, Frankfort	33,000	31,200
University of Kentucky, Lexington	24,000	23,400
LOUISIANA		
Louisiana State University, Baton Rouge	28,000	31,200
MARYLAND		
University of Maryland, College Park	-----	31,200
MAINE		
University of Maine, Bangor	25,000	-----

(More)

and Institution	Institutional Award	Fellowship Award
HUSETTS		
n University	-----	$11,700
ais University, Waltham	$27,816	31,200
rd University, Cambridge	38,000	46,800
chusetts Institute of Technology, Cambridge	4,890	23,400
eastern University, Boston	15,850	23,400
University, Medford	-----	21,450
GAN		
d Valley State Colleges, Allendale	25,000	-----
igan State University, East Lansing	-----	15,600
ersity of Michigan, Ann Arbor	15,500	31,200
ern Michigan University, Kalamazoo	20,000	-----
ESOTA		
ato State University	-----	40,950
ersity of Minnesota, Minneapolis	-----	29,250
SISSIPPI		
kson State University	13,270	23,400
sissippi State University, Mississippi State	22,552	31,200
SOURI		
Louis University	6,450	31,200
iversity of Missouri, Columbia	-----	23,400
iversity of Missouri, Kansas City	30,000	23,400
iversity of Missouri, Rolla	-----	15,600
iversity of Missouri, St. Louis	-----	23,400
BRASKA		
iversity of Nebraska, Lincoln	10,000	23,400
iversity of Nebraska, Omaha	14,500	23,400
W JERSEY		
rinceton University	20,000	36,400
ider College, Lawrenceville	20,000	-----
utgers University, New Brunswick	-----	15,600
utgers University - The Graduate School, Newark	-----	26,000
EW MEXICO		
niversity of New Mexico, Albuquerque	24,100	31,200

(More)

State and Institution	Institutional Award	Fellowship Award
NEW YORK		
Baruch College of the City University of New York	-----	$39,000
Fordham University, Bronx	$14,400	22,100
Hunter College of the City University of New York	-----	15,600
John Jay College of Criminal Justice, New York	-----	9,750
New School for Social Research, New York	8,000	17,550
New York University	----	23,400
State University of New York, Albany	26,000	33,150
State University of New York, Binghamton	-----	31,200
State University of New York, Brockport	23,000	15,600
State University of New York, Stony Brook	20,500	-----
Syracuse University	25,000	31,200
NORTH CAROLINA		
Duke University, Durham	-----	23,400
North Carolina State University, Raleigh	24,500	23,400
University of North Carolina, Chapel Hill	19,600	31,200
OHIO		
Antioch College, Yellow Springs	23,692	-----
Miami University, Oxford	-----	15,600
Ohio State University, Columbus	-----	46,800
University of Cincinnati	13,500	----
OKLAHOMA		
University of Tulsa	13,380	23,400
OREGON		
Lewis and Clark College, Portland	26,000	-----
Portland State University	-----	23,400
PENNSYLVANIA		
Carnegie-Mellon University, Pittsburgh	30,200	50,700
Marywood College, Scranton	20,000	23,400
Pennsylvania State University, Middletown	8,000	29,250
Pennsylvania State University, College Park	-----	31,200
Temple University, Philadelphia	12,000	-----
University of Pennsylvania, Philadelphia	-----	23,400
University of Pittsburgh	26,750	33,800
PUERTO RICO		
University of Puerto Rico, Rio Piedras	13,000	15,600

(More)

State and Institution	Institutional Award	Fellowship Award
SOUTH DAKOTA		
University of South Dakota, Vermillion	$21,000	$23,400
TENNESSEE		
University of Tennessee, Knoxville	-----	23,400
TEXAS		
Texas Tech University, Lubbock	20,000	23,400
Trinity University, San Antonio	8,034	23,400
University of Houston, Central Campus	10,000	23,400
University of Texas, Arlington	18,000	23,400
University of Texas, Austin	15,639	40,950
University of Texas, San Antonio	-----	15,600
UTAH		
University of Utah, Salt Lake City	20,000	-----
VIRGINIA		
Old Dominion University, Norfolk	4,596	31,200
University of Virginia, Charlottesville	13,000	23,400
Virginia Commonwealth University, Richmond	-----	26,000
Virginia Polytechnic Institute and State University, Blacksburg	25,944	23,400
WASHINGTON		
Eastern Washington University, Cheney	31,200	-----
Seattle University	22,366	23,400
University of Washington, Seattle	20,800	40,950
WEST VIRGINIA		
West Virginia University, Morgantown	21,000	23,400
WISCONSIN		
University of Wisconsin, Madison	9,600	15,600
University of Wisconsin, Milwaukee	10,384	15,600
VIRGIN ISLANDS		
College of the Virgin Islands, Charlotte Amalie	31,200	-----

# # #

TABLE 10

Education for the Public Service
1979-80 Academic Year

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst. Grant Funds
ALABAMA				
Auburn University Montgomery 36117 Dr. Thomas Vocino Assoc. Prof. of Public Adminis. (205) 279-9110 ext. 296	Public Admin. (Minorities & Women)	6	-	$22,618
ARIZONA				
University of Arizona Tucson 85721 Dr. Lawrence D. Mann Prof. of Public Admin. & Dept. Head, Urban Planning (602) 626-1149	Public Admin. (Minorities & Disadvantaged)	3	4	--
CALIFORNIA				
Calif. St. College, Stanislaus Turlock 95380 Dr. Lawrence L. Giventer Dir., Grad. Studies in Public Admin. (209) 633-2388	Public Admin. & Public Policy	--	2	---
Calif. St. Univ., Long Beach Long Beach 90840 Dr. Mal D. Powell Dir., Center for Public Policy & Admin. (213) 498-4177	Public Policy & Urban Admin.	--	3	--
Univ. of Calif., Berkeley Berkeley 94720 Dr. Allan P. Sindler Dean, Grad. Sch. of Public Policy (415) 642-4670	Public Policy	3	---	----
Univ. of Calif., San Francisco Hastings College of Law San Francisco 94102 Prof. Raymond T. Bonner Director (415) 557-3079	Public Interest & Community Service Law Program	3	----	$20,0

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst. Grant Funds
LORADO				
Colorado State Univ. Ft. Collins 80523 Dr. Phillip O. Foss Prof. of Political Science (303) 629-2825	Rural & Local Government	---	3	----
CONNECTICUT				
Univ. of Connecticut Storrs 06268 Prof. Morton J. Tenzer Dir., Master of Public Affairs Program (203) 486-4518	Public Affairs	---	3	----
Yale University New Haven 06520 Prof. Donald G. Ogilvie Assoc. Dean, School of Organization & Management (203) 432-4198	Public Management	10	----	$25,000
DELAWARE				
Univ. of Delaware Newark 19711 Dr. Daniel Rich Acting Dean College of Urban Affairs & Public Policy (302) 738-2394	Urban Affairs & Public Policy	3	3	$22,595
FLORIDA				
Fla. Atlantic Univ. with Fla. International Univ. Ft. Lauderdale 33309 Dr. Leonard Koeperman Dir., Environmental/Growth Management Program (305) 776-1430	Public Management/ Land Use	3	---	$10,33
Florida State Univ. Tallahasse 32306 Dr. Augustus P. Turnbull, III Chairperson, Department of Public Administration (904) 644-3525	Urban Admin.	6	3	$23,50

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst. Grant Funds
GEORGIA				
Atlanta University Atlanta 30314 Dr. James T. Jones Prof. & Chairman, Public Admin. Dept. (404) 681-0251 ext. 243	Public Admin.	----	2	----
University of Georgia Athens 30602 Dr. Delmer Dunn Dir., Institute of Government (404) 542-2736	Public Admin.	3	3	$4,875
IDAHO				
University of Idaho Moscow 83843 Dr. Florence Heffron Assoc. Prof. of Political Science & Public Admin. (208) 885-6328	Public Admin.	--	2	----
ILLINOIS				
Governors State University Park Forest South 60466 Dr. Peter Colby Prof. of Public Service (312) 534-5000	Public Policy	4	----	
Northwestern University Evanston 60201 Dr. Jean J. Couturier Prof. & Dir. of Studies in Public Management (312) 492-3415	Public Management	6	2	$10,00
Sangamon State University Springfield 62708 Dr. John Collins Assoc. Prof. Public Admin. Program (217) 786-6576	Public Admin.	6	---	$12,00

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst. Grant Funds
Southern Ill. Univ., Edwardsville Edwardsville 62026 Dr. Michael Quinn Program Director Urban Studies (618) 692-3762	Urban Studies	6	3	$16,778
University of Chicago Chicago 60637 Dr. Robert Z. Aliber Chairman, Committee on Public Policy Studies (312) 753-1896	Public Policy	6	----	----
Univ. of Ill., Chicago Circle Chicago 60680 Dr. John Wanat, Director Public Agency Administration (312) 996-3105	Public Admin.	---	3	---
Western Illinois Univ. Macomb 61455 Dr. R. W. Crockett Assoc. Prof. of Political Sci. (309) 298-1445	Public Admin.	---	2	----
INDIANA				
Indiana University Indianapolis 46202 Dr. Jack W. Hopkins, Dir. Public Affairs Grad. Program & International Program (812) 337-3107	Public & Environmental Affairs	---	3	
LOUISIANA				
Louisiana State Univ. Baton Rouge 70803 Dr. David B. Johnson Prof. of Economics (504) 388-5830	Public Admin.	---	4	----
MARYLAND				
Univ. of Maryland College Park 20742 Dr. Charles Levine, Acting Dir., Institute for Urban Studies (301) 454-5195	Urban Studies	6	3	$4,000

ate, Institution, and ontact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst. Grant Funds
MASSACHUSETTS				
Brandeis University Florence Heller School Waltham 02154 Dr. Leonard Hausman Faculty Chairperson Human Ser. Management Program (617) 647-2936	Public Management	8	---	
Harvard University Cambridge 02138 Dr. Graham T. Allison, Jr. Dean, J.F. Kennedy Sch. of Gov't. (617) 495-2101	Public Policy	6	3	$10,000
Mass. Inst. of Tech. Cambridge 02139 Dr. Bernard Frieden Prof. of City Planning (617) 253-2017	Urban Studies	6 (9 mos.)	4(9 mos.)	
Northeastern University Boston 02115 Dr. Joseph Reed, Prof. Dept. of Political Science (617) 437-2796	Public Admin.	--	3	---
Tufts University Fletcher Sch. of Law & Diplomacy Medford 02155 Prof. Charles N. Shane, Assoc. Dean (617) 628-5000 ext. 552	Public Service/ International Affairs	---	1	---
MICHIGAN				
Michigan State Univ. East Lansing 48824 Dr. Charles P. Cnudde Chairman & Professor of Political Sci. & Public Admin. (517) 355-6590	Public Policy	---	2	----
University of Michigan Ann Arbor 48109 Dr. Jack L. Walker, Director Institute of Public Policy Studies (313) 764-7248	Public Policy	6	4	----

State, Institution, and ntact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst. Grant Funds
MINNESOTA				
Mankato State Univ. Mankato 56001 Dr. Robert A. Barrett, Dir. Urban & Regional Studies Inst. (507) 389 1714	Urban Studies	9	3	$15,840
Univ. of Minnesota Minneapolis 55455 Dr. John S. Adams, Director H.H.Humphrey Inst. of Public Affairs (612) 373-2653	Public Policy	6	2	$15,000
MISSISSIPPI				
Jackson State Univ. Jackson 39217 Dr. Henry Hall, Director MPPA Degree Program Dept. of Political Science (601) 968-2136	Public Policy	3	2	$24,82
Mississippi St. Univ. Mississippi State 39762 Dr. William A. Giles Asst. Prof. of Political Sci. (601) 325-2711	Public Admin.	6	4	$33,02
MISSOURI				
St. Louis University St. Louis 63103 Dr. George D. Wendel Dir, Center for Urban Programs (314) 658-3934	Urban Admin.	4	4	$14,00
Univ. of Mo., Kansas City Kansas City 64110 Dr. F. Gerald Brown Director, L.P. Cookingham Institute of Public Affairs (816) 276-2894	Public Admin.	--	2	----
Univ. of Missouri, Rolla Rolla 65401 Dr. John Eilers, Asst. Prof. of Engineering & Management (314) 341-4556	Public Works Mgt.	6	---	----

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst Gran Fund
Univ. of Mo., St. Louis St. Louis 63121 Dr. E. Terrence Jones, Dir. Master's in Public Policy Administration Program (314) 453-5146	Public Policy	---	2	----
NEBRASKA				
Univ. of Nebraska, Lincoln Lincoln 68588 Dr. Robert D. Miewald Prof. of Political Science (402) 472-2341	Public Policy	---	3	----
Univ. of Nebraska, Omaha Omaha 68101 Dr. David P. Paulsen, Prof. Dept. of Public Admin. (402) 554-2625	Public Admin.	6	3	----
NEW HAMPSHIRE				
The Antioch-New England Grad. Sch. Keene 03431 Dean Lewis Feldstein Dept. of Administration (603) 357-3122	Rural Admin.	6	--	$20,0
NEW JERSEY				
Princeton University Woodrow Wilson School Princeton 08540 Mr. James A. Krauskopf, Dir. (609) 452-4866	Public Policy	7	2	----
Rutgers Univ., Newark Newark 07102 Dr. E. Drexel Godfrey, Jr., Dir., MPA Program (201) 648-5093	Public Admin.	---	2	----
NEW MEXICO				
Univ. of New Mexico Albuquerque 87131 Dr. Leonard Stitelman, Dir. Public Admin. Division (505) 277-3312	Public Admin.	---	3	----

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst. Gran Fund
W YORK				
Columbia University New York 10027 Prof. Demetrios Caraley Grad. Program in Public Affairs & Administration (212) 280-2167	Public Affairs/ International Affairs	6	--	$21,75
CUNY, Baruch College New York 10010 Dr. David Bresnick, Chairperson, Dept. of Public Administration (212) 725-7146	Public Management	4	1	---
CUNY, Hunter College New York 10021 Dr. Donald G. Sullivan Dir., Grad. Program in Urban Planning (212) 570-5594	Urban Studies	6	2	$28,50
Fordham University Bronx 10458 Dr. Martin C. Fergus Asst. Prof. of Political Sci. (212) 933-2233 ext. 462	Public Affairs	6	3	$14,09
New School for Social Research New York 10011 Dean Henry Cohen, Grad. Sch. of Management & Urban Professions (212) 741-7921	Urban Studies	---	3	----
New York University New York 10003 Dr. Roy L. Sparrow, Dir., Program in Public Admin. (212) 598-3246	Public Management	---	3	----
SUNY Res. Foundation, Albany Albany 12201 Dr. James J. Heaphey Professor of Public Admin. (518) 457-1973	Public Affairs	3	2	----

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst. Grant Funds
SUNY Res. Foundation, Albany w/Rensselaer Polytechnic Inst. Albany 12201 Dr. J. Ward Wright, Director Center for Govermmental Research & Service (518) 457-5137	Public Affairs	--	--	$21,529
SUNY Res. Foundation, Brockport Brockport 14420 Dr. Robert Guhde, Asst. Prof. of Public Administration (716) 395-2375	Public Admin.	3	---	$16,00
Syracuse University Syracuse 13210 Dr. James D. Carroll, Dir. Dept. of Public Admin. (315) 423-4000	Public Admin.	6	---	----
NORTH CAROLINA				
N.C. State University Raleigh 27650 Dr. J. Oliver Williams Dir., & Assoc. Professor of Public Admin. (919) 737-2481	Public Affairs	4	3	----
Univ. of N.C., Chapel Hill Chapel Hill 27514 Dr. Deil S. Wright, Dir., MPA Program, Dept. of Political Science (919) 933-3041	Public Admin.	6	---	----
OHIO				
Miami University Oxford 45056 Dr. Gene E. Willeke, Dir., Inst. of Environ. Sciences (513) 529-2732	Public Affairs (Environmental & Energy)	6	2	----
Ohio State University Columbus 43210 Dr. Clinton V. Oster, Dir., School of Public Admin. (614) 422-8696	Public Admin.	---	2	----

ate, Institution, and ontact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst. Grant Funds
OKLAHOMA				
University of Tulsa Tulsa 74104 Dr. Earl J. Reeves Dir., of Urban Studies (918) 939-6351, ext. 346	Urban Studies	---	3	----
OREGON				
Lewis & Clark College w/ Portland State Univ. 0615 S.W. Palatine Hill Road Portland 97219 Dr. Donald C. Balmer, Dir., MPA Program, Lewis & Clark College (503) 244-6161	Public Admin.	---	---	$20,00
Portland State University w/Lewis & Clark University S.W., Harrison St. P.O. Box 751 Portland 97207 Dr. Ronald C. Cease, Dir., Master's Program in Public Admin. Portland State University (503) 229-3920	Public Admin.	3	3	----
PENNSYLVANIA				
Carnegie-Mellon Univ. School of Urban & Public Affairs Pittsburgh 15213 Dr. Norman Johnson, Assoc. Dean, Sch. of Urban & Public Affairs (412, 578-2162	Public Management	10	4	$25,0
Pennsylvania St. University University Park 16802 Dr. Robert J. Mowitz, Dir., Institute of Public Admin. (814) 865-2536	Public Admin.	6	--	----
Pennsylvania State University Capitol Campus Middletown 17057 Dr. Daniel M. Poore, Chairperson Master of Public Admin. Program (717) 787-7745	Public Management	--	3	----

FY 1980
(1980-81 Academic Year)
PUBLIC SERVICE EDUCATION PROGRAM

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
ARIZONA				
Arizona State Univ. Tempe 85281 Dr. Nicholas L. Henry Director Center for Public Affairs (602) 965-3926	State and Local Government	6	-	$45,225
University of Arizona Tucson 85721 Dr. Lawrence D. Mann Prof. of Public Admin. & Dept. Head, Urban Planning (602) 626-1149	Public Admin. (Minorities & Disadvantaged)	-	4	---
CALIFORNIA				
Univ. of Calif., Berkeley Berkeley 94720 Dr. Allan P. Sindler Dean, Grad. Sch. of Public Policy (415) 642-4670	Public Policy	-	3	---
COLORADO				
Colorado State Univ. Ft. Collins 80523 Dr. Phillip O. Foss Prof. of Political Science (303) 692-2825	Rural & Local Government	4	2	---
Univ. of Denver-Colo. Seminary Denver 80208 Dr. Gordon E. Von Stroh Director & Prof. of Public Management & Admin. Sch. of Public Management (303) 753-3435	Public Management	4	-	$43,200
CONNECTICUT				
Yale University New Haven 06520 Prof. Donald G. Ogilvie Assoc. Dean, School of Organization & Management & Dr. Geoffrey D. Hazard Co-Director, Fellowship Program (203) 432-4198	Public Management	3	-	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
DELAWARE				
University of Delaware Newark 19711 Dr. Daniel Rich Acting Dean, College of Urban Affairs & Public Policy (302) 738-2394	Urban Affairs & Public Policy	4	3	---
FLORIDA				
Florida State University Tallahassee 32306 Dr. Augustus B. Turnbull, III Chairperson, Department of Public Administration (904) 644-3525	Urban Admin.	4	5	---
University of Florida Gainesville 32611 Dr. William A. Kelso Prof. of Political Science (904) 392-0279 and Dr. Albert R. Matheny Prof. of Political Science (904) 392-0249	Public Management: Court Management & Community Service	5	-	---
GEORGIA				
University of Georgia Athens 30602 Dr. Delmer D. Dunn Dir., Institute of Government (404) 542-2736	Public Admin.	-	3	---
ILLINOIS				
Northeastern Illinois Univ. Chicago 60625 Dr. Valerie J. Simms Asst. Prof., Political Science & Program Director (312) 583-4050, ext. 8160	Public Admin.	3	-	---
Northwestern University Evanston 60201 Dr. Louis H. Masotti Dir., Public Management Program (312) 492-3415	Public Management	-	5	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
ILLINOIS (Cont'd.)				
Southern Ill. Univ.-Edwardsville Edwardsville 62026 Dr. Michael Quinn Program Dir., Urban Studies (618) 692-3762	Urban Studies	-	6	---
Univ. of Ill., Chicago Circle Chicago 60680 Dr. John Wanat, Director Public Agency Administration (312) 996-3105	Public Admin.	3	-	---
Western Illinois Univ. Macomb 61455 Dr. R. W. Crockett Assoc. Prof. of Political Science (309) 298-1445	Public Admin.	-	2	---
INDIANA				
Indiana University Indianapolis 46202 Dr. Jack W. Hopkins, Dir. Public Affairs Grad. Program & International Program. (812) 337-3107	Public & Environ. Affairs	6	1	---
IOWA				
Drake University Des Moines 50311 Dr. Mel E. Arslander Acting Director, Institute of Public Affairs & Admin. (515) 271-2913	Public Affairs & Administration	5	-	---
KENTUCKY				
Kentucky State Univ. Frankfort 40601 Dr. Gary S. Cox, Dean School of Public Affairs (502) 564-6117	Public Affairs & Administration	4	-	---
University of Kentucky Lexington 40506 Dr. Merlin M. Hackbart Acting Director, James W. Martin Grad. Center for Public Admin. (606) 258-5741	Public Admin.	4	-	$19,980

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
LOUISIANA				
Univ. of New Orleans New Orleans 70122 Dr. Robert Sternhell Asst. Prof., Urban & Regional Planning & Public Admin. & Coordinator of MPA Program (504) 283-0277	Urban & Regional	4	-	---
MARYLAND				
University of Maryland College Park 20742 Dr. Charles Levine Acting Dir., Institute for Urban Studies & Dr. William H. Hanna, Co-Dir. Dept. of Family & Community Development (301) 454-5195	Urban Studies	-	6	---
MASSACHUSETTS				
Brandeis University Florence Heller School Waltham 02154 Dr. Leonard Hausman Faculty Chairperson Human Ser. Management Program (617) 647-2936	Public Management	6	-	---
Harvard University Cambridge 02138 Dr. Dorothy E. Bambach Dean of Students J.F.Kennedy Sch. of Gov't. (617) 495-2101	Public Policy	-	6	---
Mass. Institute of Tech. Cambridge 02139 Dr. Joseph Ferreira, Jr. Assoc. Prof. of Urban Studies & Operations Research Dept. of Urban Studies (617) 253-2017	Urban Studies	-	6	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
MASSACHUSETTS (Cont'd.)				
Tufts University Fletcher Sch. of Law & Diplomacy Medford 02155 Prof. Charles N. Shane Associate Dean (617) 628-5000, ext. 552	Public Service/ Int'l. Affairs	4	-	---
Univ. of Massachusetts Amherst 01033 Dr. Jerome Mileur Director, MPA Program Dept. of Political Science (413) 545-0410	State and Local Government	4	-	---
MICHIGAN				
Michigan State Univ. East Lansing 48824 Dr. Charles F. Cnudde Chairman & Professor of Political Sci. & Public Admin. (517) 355-6590	Public Policy	-	2	---
University of Michigan Ann Arbor 48109 Dr. Jack L. Walker, Director Inst. of Public Policy Studies (313) 764-7248	Public Policy	5	6	---
MINNESOTA				
Mankato State Univ. Mankato 56001 Dr. Robert A. Barrett, Dir. Urban & Regional Studies Inst. (507) 389-1714	Urban Studies	3	-	---
Univ. of Minnesota Minneapolis 55455 Dr. John S. Adams, Director H.H.Humphrey Institute of Public Affairs (612) 373-2653	Public Policy	3	6	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
MISSISSIPPI				
Jackson State Univ. Jackson 39217 Dr. Henry Hall, Director MPPA Degree Program Dept. of Political Science (601) 968-2136	Public Policy	4	3	---
Mississippi State Univ. Mississippi State 39762 Dr. William A. Giles Asst. Prof. of Political Science (601) 325-2711	Public Admin.	5	6	$54,468
MISSOURI				
St. Louis University St. Louis 63103 Dr. George D. Wendel, Dir. Center for Urban Programs (314) 658-3934	Urban Admin.	-	4	---
Univ. of Missouri, Rolla Rolla 65401 Dr. Daniel Babcock Prof. of Engineering Management (314) 341-4556	Public Works Management	-	1	---
NEBRASKA				
Univ. of Nebraska, Omaha Omaha 68101 Dr. David P. Paulsen, Prof. Dept. of Public Administration (402) 554-2625	Public Admin.	-	4	---
NEW HAMPSHIRE				
Antioch-New England Grad. School Keene 03431 Dean Lewis Feldstein Dept. of Administration (603) 357-3122	Rural Admin.	-	6	---
NEW JERSEY				
Princeton University Princeton 08540 Dr. Richard W. Roper, Dir. Program for New Jersey Affairs Woodrow Wilson School (609) 452-4866	Public Policy	3	4	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
NEW YORK				
Columbia University New York 10027 Prof. Demetrios Caraley Grad. Program in Public Affairs & Administration (212) 280-2167	Public Affairs/ Int'l. Affairs	4	-	---
CUNY, Baruch College New York 10010 Dr. David Bresnick Chairperson, Dept. of Public Administration (212) 725-7146	Public Management	4	4	---
CUNY, Hunter College New York 10021 Dr. Donald G. Sullivan Director, Graduate Program in Urban Planning (212) 570-5594	Urban Studies	4	6	$49,680
Fordham University Bronx 10458 Dr. Martin C. Fergus Asst. Prof. of Political Sci. (212) 933-2233, ext. 462	Public Affairs	4	-	---
New School for Social Research New York 10011 Dean Henry Cohen Grad. School of Management & Urban Professions (212) 741-7921	Urban Studies	4	1	$32,789
New York University New York 10003 Dr. Roy L. Sparrow, Director Program in Public Admin. (212) 598-3246	Public Management	4	-	---
SUNY, Res. Foundation, Albany Albany 12201 Dr. James J. Heaphey Professor of Public Admin. (518) 457-1973	Public Affairs	-	2	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
NEW YORK (Cont'd.)				
SUNY, Res. Foundation, Brockport Brockport 14420 Dr. Robert Guhde, Asst. Prof. of Public Administration (716) 395-2375	Public Admin.	-	1	---
SUNY Res. Foundation, Buffalo Buffalo 14260 Dr. John M. Thomas, Dir. Center for Policy Studies (716) 831-4044	Law & Policy Studies	4	-	---
Syracuse University Syracuse 13210 Dr. Bernard Jump, Dir. Maxwell School of Citizenship and Public Affairs (315) 423-4000	Public Admin.	5	-	---
University of Rochester Rochester 14627 Dr. Eric A. Hanushek, Dir. Public Policy Analysis Program (716) 275-2611	Public Policy Analysis	5	-	---
NORTH CAROLINA				
N. C. State University Raleigh 27650 Dr. J. Oliver Williams, Dir., & Assoc. Professor of Public Administration (919) 737-2481	Public Affairs	-	3	---
OHIO				
Miami University Oxford 45056 Dr. Gene E. Willeke, Dir. Inst. of Environ. Sciences (513) 529-2732	Public Affairs (Environmental & Energy)	5	6	---
OKLAHOMA				
University of Tulsa Tulsa 74104 Dr. Earl J. Reeves Dir., of Urban Studies (918) 939-6351, ext. 546	Urban Studies	-	3	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
OREGON				
Lewis & Clark College (Sponsoring Institution) w/ Portland State Univ. 0615 S.W. Palatine Hill Road Portland 97219 Dr. Donald C. Balmer, Dir. MPA Program, Lewis & Clark College (503) 244-6161	Public Admin.	-	-	$30,684
Portland State University w/Lewis & Clark College S.W. Harrison St. P.O. Box 751 Portland 97207 Dr. Ronald C. Cease, Dir. MPA Program, Portland State Univ. (503) 229-3920	Public Admin.	5	3	---
PENNSYLVANIA				
Carnegie-Mellon Univ. Pittsburgh 15213 Dr. Norman Johnson, Assoc. Dean Sch. of Urban & Public Affairs (412) 578-2162	Public Management	6	-	$43,003
Pennsylvania State Univ. University Park 16802 Dr. Robert J. Mowitz, Dir. Institute of Public Admin. (814) 865-2536	Public Admin.	4	-	---
Pennsylvania State Univ. Capitol Campus Middletown 17057 Dr. Daniel M. Poore Chairperson, MPA Program (717) 787-7745	Public Management	4	-	---

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Ins Gra Fun
PUERTO RICO				
University of Puerto Rico Rio Piedras 00931 Dr. José J. Bauermeister Chairperson, Dept of Psychology (809) 764-0000 ext. 2100	Public Management	--	2	----
SOUTH DAKOTA				
University of South Dakota Vermillion 57069 Dr. Donald C. Dahlin, Chairman Department of Political Science (605) 677-5242	Public Admin.	--	1	----
TENNESSEE				
Univ. of Tennessee, Knoxville Knoxville 37916 Dr. Nelson M. Robinson Prof. & Coordinator, MPA Program (615) 974-3365	Public Admin.	4	3	----
TEXAS				
North Texas State University Denton 76203 Dr. James Glass Dept. of Political Science (817) 788-2321	Admin. of Human Services	6	---	$23,
Texas Tech University Lubbock 79409 Dr. N. Joseph Cayer, Dir., Center for Public Service (806) 742-3125	Public Admin.	6	3	$ 6
[illegible] Dr. [illegible], Dir., [illegible] of Public [illegible] [illegible]	Public Admin.	6	3	[illegible]

State, Institution, and Contact Person	Approved Program(s)	Number of Fellowships Awarded New	Cont. Fsps.	Inst'l. Grant Funds
VIRGINIA				
Virginia Commonwealth Univ. Richmond 23284 Dr. Leigh E. Grosenick Chairman & Director Dept. of Public Admin. (804) 257-1046	Public Admin.	3	-	---
WASHINGTON				
Seattle University Seattle 98122 Dr. James Sawyer, Dir. Institute of Public Service (206) 626-6373	Public Admin.	-	6	---
University of Washington Seattle 98195 Dr. Brewster Denny, Dean Grad. School of Public Affairs (206) 543-4920	Public Affairs	5	-	$32,453
WEST VIRGINIA				
West Virginia University Morgantown 26506 Dr. Herman Mertins, Jr. Chairman, Dept. of Public Administration (304) 293-2614	Public Admin.	2	7	$43,997
	TOTALS	188	154	$395,479

Domestic Mining and Mineral and Mineral Fuel Conservation Fellowships, 1976-77

Fellowship awards authorized by this program are intended to assist needy graduate students of exceptional ability to pursue an advanced degree in domestic mining and mineral and mineral fuel conservation including oil, gas, coal, oil shale and uranium.

The following summary, obtained from existing files, presents some fragmentary information on the Fellows. The Fellows are predominantly male (92%). Nearly three fourths (73 percent) of them are pursuing a Master's degree. Slightly more than three fourths (78 percent) are engaged in research. Of those who were known to have graduated by 1977, more than 88 percent had obtained employment in a field in which they had obtained graduate training.

The following pages offer additional detailed information from the program file on Domestic Mining fellowship awards for 1976-77 as well as lists of awards for academic years 1978-79 and 1979-80.

Domestic Mining and Mineral and Mineral Fuel Conservation Fellowships, 1976-77 (FY 1976)

In 1976-77, the program continued to support advanced study in domestic mining and mineral and mineral fuel conservation, as authorized under Title IX, Part D of the amended Higher Education Act of 1965. The awards were intended to assist full-time graduate students of exceptional ability and demonstrated financial need to pursue an advanced degree in domestic mining and mineral and mineral fuel conservation, including oil, gas, coal, oil shale, and uranium. The purpose of the program was to encourage individuals to develop and improve methods of discovering, extracting, recovering, and conserving minerals and mineral fuels.

This section summarizes information found in the proposals, fellow nomination forms, and correspondence submitted to the USOE from institutions awarded fellowship grants. Much of the information presented here was not requested from the grantees, and therefore may not be complete. Information was unavailable on 87 Fellows (21%) due to the absence of final reports from six institutions. Information regarding the employment of Fellows was gleaned from the proposals of following years, and the figures are probably low. No final Director's Reports were available.

A list of grantee institutions, the number of fellowships, and amount of awards are provided in Table 15.

Fellowship Awards

Domestic Mining and Mineral and Mineral Fuel Conservation Fellowships, worth $3 million, were awarded to 48 institutions in 34 States. The awards supported the studies of 416 Fellows, including 41 who replaced graduating or vacating Fellows. Thirty-eight of the grantees were public institutions and ten were private. The funds were used for stipends, institutional allowances, dependent allowances and travel (travel funds have since been discontinued).

In requesting the fellowships, many of the institutions emphasized the need to train highly qualified students who would in future years remain in the State to develop State resources (see Table 11). Eighteen of the institutions stressed the need to offer fellowships to attract more students to these sometimes lengthy graduate programs, and retain them until the completion of their studies. Others addressed the need to offer financial support to needy students who would otherwise leave the graduate programs out of economic necessity. Several institutions described the highly technical nature of the programs and the expensive equipment such programs required. The institutions stressed how increased enrollments resulting from the fellowship would increase the overall program's cost effectiveness.

Characteristics of 323 Fellows are presented in Table 12. They show that the Fellows are a predominantly male group of students (92%). Three-quarters of the Fellows were pursuing a Master's degree, while at least 45 doctoral students were supported. The majority of the students were involved in research, while 22% had practical field experience.

Table 14 illustrates the many disciplines covered by the program, as well as the number of Fellows in each degree area. The majority (62%) of the Fellows were in engineering curriculums, and geology was the most studied science area (55 Fellows).

By the end of the year, 51 of the Fellows had graduated, with 45 receiving the Master's degree and 6 the Ph.D. (see Table 10). Most of the Fellows continued their studies the following year, since most of these degrees were multi-year programs. While there were 49 fellowships vacated, most of the positions were replaced with alternates (41). From the available information, it appears that at least 45 of the Fellows had secured employment in related fields. A report assembled in 1978 by the program management staff gives more complete figures. Nine institutions, enrolling slightly fewer than half of the Fellows, indicated that over 90% of those who had graduated or vacated fellowships had secured employment in the mining and mineral industries.

Comments of Some Grantees on the Program

Many of the comments by institutions about the fellowships focused on the importance of encouraging more students to enter the fields funded under this program (see Table 11). Projections for employment in these fields indicate that demand will double in the following five years, while a survey of mining engineers alone shows that more than 50% received their degrees before 1955. These and many other fields will be short of experienced, top-level engineers and scientists as more reach retirement age.

Many of the schools credited the fellowships for providing the financial support necessary to retain high-quality students in an academic research setting. Upon receiving undergraduate degrees, these students are in high demand, so there must be some financial incentive for them to delay employment for a higher level of training. Several of the institutions felt that the fellowships attracted interest in their schools from those superior students who would otherwise go to larger and better funded programs.

There were only a few negative comments about the program, and several were made by institutions complaining of an insufficient number of fellowships. These schools felt that more students were needed to make the program more effective. An equal number of complaints were received about the lateness of the grant notifications. This lateness precluded recruitment. While the nomination process had identified the recipients by mid-summer, when schools were given definite notice in early September many of the original nominees had found other types of funding or decided on employment.

Administrative files indicate that target dates for the promulgation of the final regulations were not met, and the regulations were not forwarded to Congress until July 9, 1976. No swift action was taken there because of nominating conventions, adjournments, and a 45-day transmittal wait which pushed back the institution notification date until early September.

The lateness of funding precluded the optimum use of the funds to achieve the objectives of the law. Fellowships for the most part were given to already enrolled students who presumably would have found support if these fellowships had not become available. Recruitment of women and others not intending to obtain graduate training simply did not occur. Finally, 37 institutions were unable to spend $157,000 of obligated funds.

Table 11

CHARACTERISTICS OF 48 MINING FELLOWSHIP PROGRAMS

1976-77

Characteristics	Frequency	% 1/
Objectives of Fellowships		
Attract students to develop State Resources	18	38
Attract students to program	18	38
Provide financial support to needy	16	33
Increase program effectiveness	14	29
Comments		
Strengths		
Fills educational/occupational needs	28	59
Permits expanding of program	14	29
Financial supports helps retain students	12	25
Attracts greater interest in Department	5	10
Weaknesses		
Insufficient number of Fellowships	4	8
Lateness precludes recruitment	4	8

1/ Percentages do not add to 100 because institutions were permitted to check more than one category.

Table 12

CHARACTERISTICS OF 323 MINING FELLOWS 1976-77

	SEX		LEVEL OF STUDY			ACTIVITIES	
	Male	Female	Master	Ph.D.	Unknown	Research	Practicum
Frequency	297	26	236	45	42	253	70
Percentage	92	8	73	14	13	78	22

Table 13

STATUS OF 323 1976-77 MINING FELLOWS

	Standing at End of Year						Positions Obtained 1/		
	Graduate		Continuing	Unknown	Vacated	Replaced	Related	Unrelated	Unemplo
	M.	Ph.D							
Frequency	45	6	204	19	8	41	45	4	2
Percentage	14	2	63	6	2	13	88	8	4

1/ 51 Graduates

TABLE 14

FELLOWS' AREA OF EMPHASIS: BREAKDOWN OF PROGRAMS
1976-77

Engineering	Frequency of Program	Sciences	Frequency of Program
Chemical Engineering	29	Geology	55
Mining Engineering	30	Metallurgy	7
Petroleum/Fuels Engineering	25	Geophysics	9
Geological Engineering	22	Chemistry	2
Metallurgical and Mineral Engineering	39	Metallurgy and Materials Sciences	2
Mechanical Engineering	11	Mineral Economics	2
Mineral and Civil Engineering	32	Earth Sciences	14
Ceramic Engineering	6	Fuels/Fuel Sciences	7
Industrial Engineering	5	Ore Deposits and Exploration	7
		Geochemistry	2
		Mineral Processing	4
		Extractive Metallurgy	3
		Hydrology	4
		Biology	2
TOTAL	199	TOTAL	120

TABLE 15

Domestic Mining and Mineral and Mineral Fuel Conservation Program

FY 1976 Awards

1976-77 Academic Year

State	Institution	No. of Awards	Amount
Alabama	University of Alabama	6	$ 4[illegible]000
Alaska	University of Alaska	2	16,000
Arizona	University of Arizona	15	120,000
California	Stanford University	6	[illegible]8,000
	University of California, Berkeley	15	[illegible].000
Colorado	Colorado School of Mines	28	224,000
	University of Colorado	3	24,000
Florida	Florida State University	5	40,000
Georgia	Georgia Institute of Technology	4	32,000
	University of Georgia	5	40,000
Idaho	University of Idaho	13	104,000
Illinois	Southern Illinois University	4	32,000
Indiana	Indiana University	5	40,000
	Purdue University	4	32,000
Iowa	Iowa State University	5	40,000
Kansas	University of Kansas	3	24,000
Kentucky	University of Kentucky	5	40,000
Massachusetts	Harvard University	3	24,000
	Massachusetts Institute of Technology	8	64,000
Michigan	Michigan Technological University	10	80,000
	University of Michigan	1	8,000
Minnesota	University of Minnesota	12	96,000
Missouri	University of Missouri at Rolla	21	168,000
Montana	Montana College of Mineral Science and Technology	7	56,000
Nevada	University of Nevada	8	64,000
New Jersey	Princeton University	2	16,000
	Rutgers, the State University	3	24,000
New Mexico	New Mexico Institute of Mining and Technology	6	48,000
New York	Alfred University	2	16,000
	Columbia University	15	120,000
	Cornell University	5	40,000
North Dakota	University of North Dakota	8	64,000
Ohio	Case Western Reserve University	2	16,000
Oklahoma	University of Oklahoma	10	80,000
	University of Tulsa	4	32,000
Pennsylvania	Lehigh University	2	16,000
	Pennsylvania State University	28	224,000
South Dakota	South Dakota School of Mines and Technology	6	48,000
Texas	Texas Tech. University	3	24,000
	University of Texas at Arlington	4	32,000
	University of Texas at Austin	10	80,000
Utah	Brigham Young University	2	16,000
	University of Utah	28	224,000
Virginia	Virginia Polytechnic Institute and State University	9	72,000
Washington	Eastern Washington State College	2	16,000
West Virginia	West Virginia University	15	120,000
Wisconsin	University of Wisconsin	6	48,000
Wyoming	University of Wyoming	5	40,000
TOTAL		375	$3,000,000

TABLE 16

DOMESTIC MINING AND MINERAL AND MINERAL FUEL CONSERVATION PROGRAM
1978-79 Academic Year

State and Institution	No. of Fellowships	Amount
ALABAMA		
University of Alabama, University	5	$ 46,800
ALASKA		
University of Alaska, Fairbanks	2	23,400
ARIZONA		
University of Arizona, Tucson	25	218,400
CALIFORNIA		
Stanford University	9	85,800
University of California, Berkeley	25	249,600
University of California, Los Angeles	2	23,400
COLORADO		
Colorado School of Mines, Golden	30	249,600
University of Colorado, Boulder	4	46,800
FLORIDA		
Florida State University, Tallahassee	6	54,600
GEORGIA		
Georgia Institute of Technology, Atlanta	6	62,400
University of Georgia, Athens	6	46,800
IDAHO		
University of Idaho, Moscow	25	210,600
ILLINOIS		
Northwestern University, Evanston	5	46,800
Southern Illinois University, Carbondale	6	54,600
University of Illinois, Urbana	2	23,400
INDIANA		
Indiana University, Bloomington	4	39,000
Purdue University, Lafayette	6	54,600

(More)

State and Institution	No. of Fellowships	Amount
IOWA		
Iowa State University, Ames	6	$ 54,600
KANSAS		
University of Kansas, Lawrence	2	23,400
KENTUCKY		
Eastern Kentucky University, Richmond	3	31,200
University of Kentucky, Lexington	6	62,400
MASSACHUSETTS		
Harvard University, Cambridge	6	62,400
Massachusetts Institute of Technology, Cambridge	11	101,400
MICHIGAN		
Michigan Technological University, Houghton	15	132,600
University of Michigan, Ann Arbor	2	23,400
MINNESOTA		
University of Minnesota, Minneapolis	15	132,600
MISSOURI		
University of Missouri, Rolla	27	226,200
MONTANA		
Montana College of Mineral Science and Technology, Butte	6	54,600
NEVADA		
University of Nevada, Reno	5	54,600
NEW JERSEY		
Princeton University	2	15,600
Rutgers - The State University, New Brunswick	6	54,600
NEW MEXICO		
New Mexico Institute of Mining and Technology, Socorro	5	54,600

(More)

State and Institution	No. of Fellowships	Amount
NEW YORK		
Columbia University, New York City	13	$117,000
Cornell University, Ithaca	4	39,000
NORTH DAKOTA		
University of North Dakota, Grand Forks	10	85,800
OHIO		
Case Western Reserve University, Cleveland	2	15,600
Ohio State University, Columbus	6	54,600
OKLAHOMA		
University of Oklahoma, Norman	12	109,200
University of Tulsa	4	39,000
PENNSYLVANIA		
Lehigh University, Bethlehem	2	23,400
Pennsylvania State University, University Park	38	312,000
SOUTH DAKOTA		
South Dakota School of Mines and Technology, Rapid City	9	85,800
TEXAS		
Southern Methodist University, Dallas	2	15,600
Texas A & M University, College Station	3	39,000
Texas Tech University, Lubbock	1	15,600
University of Texas, Arlington	3	31,200
University of Texas, Austin	13	117,000
UTAH		
University of Utah, Salt Lake City	25	210,600
VIRGINIA		
Virginia Polytechnic Institute and State University, Blacksburg	17	148,200
WASHINGTON		
Eastern Washington University, Cheney	3	31,200
University of Washington, Seattle	5	54,600
Washington State University, Pullman	4	31,200

(More)

State and Institution	No. of Fellowships	Amount
WEST VIRGINIA		
West Virginia University, Morgantown	20	$171,600
WISCONSIN		
University of Wisconsin, Madison	8	78,000
WYOMING		
University of Wyoming, Laramie	5	46,800
TOTALS	500	$4,492,200

TABLE 17

DOMESTIC MINING AND MINERAL AND MINERAL FUEL CONSERVATION PROGRAM
FY 1979 AWARDS

1979-80 Academic Year

STATE	INSTITUTION	NO. OF FELLOWSHIPS	AMOUNT
Alabama	Auburn University	5	$ 78,000
	University of Alabama	4	49,400
Alaska	University of Alaska	3	46,800
Arizona	University of Arizona	29	314,600
California	Stanford University	9	87,750
	University of California, Berkeley	30	203,450
	University of California, Los Angeles	1	6,500
Colorado	Colorado School of Mines	36	330,200
	University of Colorado	3	20,800
Florida	Florida State University	3	23,400
Georgia	Georgia Institute of Technology	5	59,800
	University of Georgia	4	28,600
Idaho	University of Idaho	27	209,300
Illinois	Northwestern University	6	56,550
	Southern Illinois University	8	85,800
	University of Illinois	1	7,800
Indiana	Indiana University	5	62,400
	Purdue University	4	13,650
Iowa	Iowa State University	5	37,050
Kansas	University of Kansas	3	46,800
Kentucky	Eastern Kentucky University	1	5,850
	University of Kentucky	8	57,200
Massachusetts	Harvard University	7	61,100
	Massachusetts Institute of Technology	8	97,500
Michigan	Michigan Technological University	11	111,800
Minnesota	University of Minnesota	13	113,100
Missouri	University of Missouri, Rolla	25	278,200
Montana	Montana College of Mineral Science and Technology	5	62,400

(More)

STATE	INSTITUTION	NO. OF FELLOWSHIPS	AMOUNT
Nevada	University of Nevada, Reno	5	$ 58,500
New Jersey	Princeton University	2	6,500
	Rutgers, the State University	5	39,000
New Mexico	New Mexico Institute of Mining and Technology	5	62,400
New York	Columbia University	14	124,800
	Cornell University	3	23,400
North Dakota	University of North Dakota	3	23,400
Ohio	Case Western Reserve University	2	19,500
	Ohio State University	3	23,400
Oklahoma	University of Oklahoma	11	101,400
	University of Tulsa	1	7,800
Pennsylvania	Pennsylvania State University	40	413,400
South Dakota	South Dakota School of Mines and Technology	4	54,600
Texas	Southern Methodist University	2	15,600
	Texas A & M University	1	7,800
	University of Texas	7	48,100
Utah	University of Utah	29	285,350
Virginia	Virginia Polytechnic Institute	13	135,200
Washington	University of Washington	1	7,800
	Washington State University	4	54,600
West Virginia	West Virginia University	24	257,400
Wisconsin	University of ~~Wisconsin~~	9	92,950
Wyoming	University of Wyoming	7	67,600
TOTAL		464	$4,486,300

# # #

Legal Assistance for the Disadvantaged Program

Department of Education funds are granted directly to the Council on Legal Education Opportunity (CLEO) to administer the Legal Assistance for the Disadvantaged Program. The purpose of this program is to recruit disadvantaged persons and assist them in obtaining a legal education. Recruited students attend a summer institute to increase their skills for law school. They are partially supported for three years in law school by an annual $1,000 fellowship. In addition, the law schools waive tuition and fees normally charged students.

Recent data on the CLEO program are summarized in the following tables. They indicate that 95 percent of the students who successfully completed the summer institute entered law school. Of those students who could have graduated by now, nearly 70 percent have done so. About 22 percent of the participants have withdrawn from the program. The ethnic background of current program participants is presented in Table 18. It indicates that nearly 55 percent of the participants are Black.

The following tables offer a summary of data on students assisted by the Legal Assistance for Disadvantaged Program since its inception as well as a table showing the ethnic composition of the current participants. In addition, a list of the institutions currently participating in the program is included.

TABLE 18: SUMMARY OF INFORMATION ON CLEO PARTICIPANTS[1/]

Year Participating in Cleo	# Students Participating	# Completing Summer Institute	# Entering Law School	# CLEO Graduates	# Student in Law School Presently Receiving CLEO Aid	# in Law School Not Receiving	#Withdrawn	# Passing Bar	# Failing Bar
1968	161	151	131	84	0	0	8	69	7
1969	448	444	400	292	2	0	8	176	30
1970	212	197	191	130	0	0	61	83	10
1971	221	210	207	137	0	0	70	61	3
1972	217	213	210	141	0	0	69	55	5
1973	233	229	218	158	0	0	60	53	8
1974	225	225	219	160	0	0	59	53	6
1975	251	244	234	156	0	0	52	46	12
1976	220	216	205	148	6	10	36	2	NA
1977	220	208	197	NA	152	2	47	NA	NA
1978	217	213	203	NA	159	7	36	NA	NA
1979	224	222	214	NA	206	7	6	NA	NA
Total	2850	2722	2629	1405	523	26	652	598	81

[1/] December 1979 Data Report from Council on Legal Education Opportunity.

TABLE 19

Ethnic Composition of CLEO Participants in 1979[1/]

American Indian	3
Appalachian	22
Asian American	14
Black	301
Black Panamanian	1
Black West Indian	1
Caucasian	10
Chicano	139
Cuban	10
Dominican	1
Filipino	1
Hawaiian	1
Italian American	1
Puerto Rican	52
Spanish Surname	6
Other Groups	5
TOTAL	568

1/ Data obtained from Council on Legal Education Opportunity

TABLE 20

CLEO PARTICIPANTS
Fall 1979

LAW SCHOOLS	NUMBER OF STUDENTS
University of Alabama	1
Albany Law School	1
American University	2
Antioch Law School	4
University of Arizona	14
Arizona State University	16
University of Arkansas	2
Boston College	10
Boston University	5
Brigham Young University	5
University of California @ Berkeley	11
University of California @ Davis	9
University of California @ Hastings	27
University of California @ Los Angeles	20
Catholic University of America	2
University of Cincinnati	2
Columbia University	4
University of Connecticut	2
Creighton University	2
Cumberland School of Law	1
Delaware Law School	1
University of Denver	3
De Paul University	2
Dickinson School of Law	4
Drake University	3
Duquesne University	1
University of Florida @ Gainesville	6
Florida State University	7
Fordham University	2
Franklin Pierce Law Center	1
Georgetown University	18
George Washington University	8
University of Georgia	6
Harvard University	2
University of Hawaii	1
Hofstra University	2
University of Houston	8
Howard Univeristy	23
University of Illinois	2
Indiana University @ Bloomington	10
Indiana University @ Indianapolis	1
University of Iowa	3
University of Kansas	5
University of Kentucky	2

CLEO Participants Con't

LAW SCHOOLS	NUMBER OF STUDENTS
Louisiana State University	2
Loyola University @ Los Angeles	6
Loyola University @ New Orleans	1
Marquette University	1
University of Maryland	2
Mercer University	4
University of Miami	3
University of Michigan	3
University of Minnesota	4
University of Mississippi	4
New England School of Law	1
University of New Mexico	16
New York University	13
New York Law School	1
State University of New York @ Buffalo	1
North Carolina Central	4
University of North Carolina	3
Northeastern University	9
Northwestern University	5
Notre Dame Law School	5
Nova University	4
Ohio State University	1
University of Oklahoma	1
University of Oregon	4
University of Pennsylvania	9
University of Pittsburgh	1
University of Richmond	3
Rutgers University @ Camden	1
Rutgers University @ Newark	24
St. Louis University	2
St. Mary's University	1
University of San Diego	7
University of San Francisco	3
University of Santa Clara	13
Seton Hall University	2
University of South Carolina	5
University of Southern California	1
Southern University	7
Southern Illinois University	1
Stanford Law School	1
Suffolk University	2
Syracuse University	4

CLEO Participants Con't

LAW SCHOOLS	NUMBER OF STUDENTS
Temple University	18
University of Tennessee	7
University of Texas	9
Texas Southern University	15
Texas Tech	1
University of Toledo	6
Tulane University	1
University of Tulsa	1
University of Utah	7
Valparaiso University	2
Vanderbilt University	1
Villanova University	1
University of Virginia	8
Wake Forest University	2
Washburn University	2
Washington & Lee University	1
University of Washington	1
Washington University	4
Wayne State University	1
West Virginia University	1
Willamette University	1
College of William & Mary	1
University of Wisconsin	8
Total Students enrolled in Fall, 1979	545

December 14, 1979

CLEO PARTICIPANT DATA REPORT (1979)

1. Number of students participating in CLEO since its inception:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
161	448	212	221	217	233	225	251	220	221	217	224	2,850

2. Number of students successfully completing the summer institute program:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
151	444	197	210	123	229	225	244	216	208	213	222	2,722

3. Number of summer institute graduates entering law school:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
131	400	191	207	210	218	219	234	205	197	203	214	2,629

4. Number of students who have graduated from law school:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
83	292	130	138	142	158	161	157	149	NA	NA	NA	1,410

5. Number of law school graduates who have passed the bar examination:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
69	176	83	63	56	53	55	47	3	NA	NA	NA	605

6. Number of law school graduates for whom CLEO has no bar data:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
8	85	38	71	81	97	98	98	145	NA	NA	NA	721

7. Number of law school graduates who failed the bar examination:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
7	30	10	3	5	8	6	12	NA	NA	NA	NA	81
			1	(Didn't Take)		2	(Didn't Take)					3
												689

NOTE: Bar information is grossly understated. The CLEO National Office has been conducting an extensive survey over the past year of all CLEO law school graduates to determine more accurate bar statistics. This information is not generally known by the law schools and can only be ascertained with accuracy if it is known in which of the fifty (50) jurisdictions an individual sat for an examination. The survey, when completed, will hopefully provide more satisfactory statistical results.

8. Number of students enrolled in law school receiving CLEO stipends:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
0	0	0	0	0	0	0	0	6	152	159	206	523

9. Number of students enrolled in law school not receiving CLEO stipends:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
0	0	0	0	0	0	0	0	10	2	7	7	26

10. Total number of students enrolled in law school:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
0	0	0	0	0	0	0	0	16	154	166	213	549

11. Number of male students in law school receiving CLEO stipends:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
0	0	0	0	0	0	0	0	4	83	84	102	273

12. Number of female students in law school receiving CLEO stipends:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
0	0	0	0	0	0	0	0	2	69	75	104	250

13. Unknown Academic Status: some law schools became reluctant in 1978/1979 to release academic data on CLEO students. The academic status of the following students is presently unknown:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
0	0	0	0	0	0	0	25	6	5	4	0	40

14. Number of students who have deferred entrance, withdrawn or failed law school:

	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Deferred entrance	-	-	-	-	-	-	-	-	-	4	3	5
Leave of Absence	-	-	-	-	-	-	-	4	1	3	-	-
Academic Dismissal	21	52	43	49	31	30	31	29	24	23	-	-
Withdrew-good standg.	1	7	10	10	7	1	4	-	-	-	-	-
Withdrew-failing	8	18	7	5	1	3	3	-	-	-	-	-
Withdrew-military	5	6	-	-	-	-	1	-	-	-	-	-
Withdrew-illness/death	1	4	-	1	-	3	2	1	1	2	1	-
Withdrew-financial	-	2	-	1	2	-	-	-	-	1	-	-
Withdrew-unknown	12	18	1	4	28	23	18	18	10	11	9	1
	48	108	61	70	69	60	59	52	36	47	36	6

15. Number of students presently receiving CLEO stipends - by ethnic breakdown:

	1976	1977	1978	1979	TOTAL
American Indian	-	-	-	3	3
Appalachian	1	-	-	1	2
Asian American	-	5	4	5	14
Black	8	80	102	111	301
Black Panamanian	-	-	1	-	1
Black West Indian	-	1	-	-	1
Caucasian	-	2	2	6	10
Chicano	6	44	34	55	139
Cuban American	-	3	2	5	10
Dominican American	-	-	1	0	1
Filipino American	-	-	-	1	1
Hawaiian	-	-	1	-	1
Italian American	-	-	1	-	1
Puerto Rican	1	17	16	18	52
Spanish Surname	-	2	2	2	6
Other Groups	-	-	-	5	5
TOTAL	16	159	166	213	549

16. Number of students who audited the summer institute programs:

1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL
0	1	6	3	1	16	23	5	9	11	10	6	91

17. Anticipated law school enrollment of CLEO participants in 1979-80: 220

18. Number of law schools who have participated by accepting CLEO students: 144

As Table I indicates, 1,241 of the first eight classes of CLEO students have now graduated from law school of the 1,810 who enrolled, representing a 69% success rate. Of the three remaining classes, 1976-1978, 574 students are presently in law school of the 605 who enrolled, i.e., 95% are successfully negotiating the law school curriculum.

Having completed the initial phase of the data retrieval project, CLEO has on hand bar performance data pertaining to 616 Program participants. As Table I demonstrates, 540 CLEO Fellows have passed the bar and been admitted to practice. This figure reflects an 87% success ratio for known bar performance, an evidently outstanding achievement. The data retrieval project's secondary phase is currently underway. It is anticipated that additional bar performance data will soon be available.

Finally, and most importantly, is the CLEO Fellows' employment data. Because the central purpose of CLEO has been to provide historically excluded groups with access to sectors of governmental decision-making and the means of peaceful dispute resolution through the legal system, the CLEO Fellows employment data provides additional insight into the overall worth and achievement of the Program. While the following data on CLEO Fellows' employment achievement is by no means complete for 1979, it is nonetheless a significant overview with respect to job dispersal and diversity. Additional information regarding CLEO Fellows' current employment data should be forthcoming soon at the conclusion of the secondary phase of the Program's on-going data retrieval project.

The following Table provides data on CLEO Fellows' employment and career activities as of 1978-1979:

JUDGES

Administrative Law	3
Municipal	1
State District	2

County District Court	1
U.S. Bankruptcy Court	1

LEGAL EDUCATION

Professors (Non-tenured)	4
Professors (Tenured)	1
Associate Deans	1
Associate Director - CLEO	1

ELECTED OFFICIALS

State Representative	1

FULL-TIME GRADUATE SCHOOL

Candidates for LLM	1
Candidates for SJD	1

*PART-TIME GRADUATE SCHOOL

Candidates for LLM	3

UNDERGRADUATE EDUCATION

Professors	5
Deans	1
Special Assistant to the Chancellor	1

*Note: Part-time candidates are reflected only once in the total.

Director of Fundraising for Private University	1
General Counsel for University Students	1

ATTORNEYS IN PUBLIC SECTOR

Assistant Prosecutors	3
City Attorneys	11
State District Attorneys	10
Federal Agencies, (Administration)	1
Federal Agencies, (Litigation)	25
Judge Advocates General Corps (Military)	3
Judicial Law Clerks	3
Executive Directors, Legal Services	4
Managing Attorneys, Legal Services	7
Staff Attorneys, Legal Services	32
Municipal Government (Administration)	1
Municipal Government (Litigation)	3
Municipal Government (Executive Director)	4
Public Defenders (State & Federal)	11
Public Interest Organizations (Administration)	5
Public Interest Organizations (Litigation)	1
Office of State Attorneys General	15
State Government (Administration)	2
State Government (Litigation)	11
Office of U.S. Attorney	11

PRIVATE SECTOR

Congressional Aides (House of Representatives)	1
Congressional Aides (Senate)	2
Corporate Practice (Litigation)	22

Corporations, Banks, Insurance Companies, Accounting firms, et. al (Administrat'n)	5
Entrepreneur (Owner of a Real Estate firm)	1
Law Clerk	2
Partner in a Law Firm (3 or more partners in firm)	17
Private Practice (Sole practitioner or partnership)	57
Staff Attorney in a Law Firm (3 or more partners in firm)	7
Staff Attorney in a Small Law Firm	1
Total	305

As the available data indicates, CLEO Fellows are presently engaged in a broad spectrum of legal and law-related activities: judgeships; law teaching; directorships of Legal Services Projects; or otherwise representing their community in the political, economic and social arenas of American society.

When one considers that the Program consciously services students that the objective predictors showed to be high risk candidates, the CLEO Fellows' academic and post-law school performance successes assume even greater significance.

THE CLEO REAUTHORIZATION PROPOSAL

The Proposal for CLEO reauthorization under Title IX of the Higher Education Act of 1965, as amended, is focused upon the need for an increase in the number of students served under the Program, as well as an increase in the amount of the stipend awarded through the CLEO fellowship. While no specific figures regarding Program size or fellowship amount are suggested herein, the CLEO Council has approached these issues from the standpoint of increasing the size of the Program from 200 students per year up to twice that number as is permissible under the present legislation.

Graduate and Professional Opportunities Program

The overall goal of this program is to provide needed opportunities for qualified students, particularly minorities and women, who are underrepresented in the professions and many graduate fields, to receive the education necessary for entering the highest level of professions, industries, government and colleges. Institutional grants are made to institutions of higher education to strengthen and improve graduate and professional programs leading to advanced degrees (other than medical degrees). Fellowships help qualified students to finance advanced training for careers in professional fields and fields where the doctorate is a requirement.

Awards under this program have been made for the two academic years 1978-79 and 1979-80. Table 21 provides a description of the fellowship recipients. It shows that 58 percent of the recipients are female and more than half (53 percent) are Black.

TABLE 21

GRADUATE AND PROFESSIONAL OPPORTUNITIES PROGRAM
1978-79 Academic Year

State, Institution, and Contact Person	Approved Program(s)	Degree	Number of Fellowships Awarded*	Part A Inst'l. Grant
ALABAMA				
Tuskegee Institute Tuskegee, Ala. 36088 Dr. William L. Lester (205) 727-8471	Architecture	M.A.	3BM, 1BW	-
ARIZONA				
Arizona State University Tempe, Arizona 85281 Ms. Susan Janssen (602) 965-3521	Solid State Science	M/Ph.D.	1BW, 3WW	-
	Chem. & Bio. Engr.	Ph.D.	2WW	
	Psychology	Ph.D.	2HM	
University of Arizona Tucson, Arizona 85721 Dr. C. B. Merritt (602) 626-4766	Anthropology	Ph.D.	2HW, 3HM	$26,500
	Ed. Administration	Ph.D.	1HM, 2WW	
ARKANSAS				
Univ. of Arkansas-Fayetteville Fayetteville, Arkansas 72701 Dr. James E. White (501) 575 4401	Agronomy	Ph.D.	2BM, 1WW	-
CALIFORNIA				
Stanford University Stanford, California 94305 Arthur B. Walker, Jr. (415) 497-1486 or 2496	Biology Science	Ph.D.	1HM, 1NAW	$20,090
	Anthropology	Ph.D.	1BW, 1BM	
	Physics	Ph.D.	1BM	
	Psychology	Ph.D.	1BM	
	History	Ph.D.	1BM, 1HW	
University of Cal.-Berkeley Berkeley, California 94720 J. R. Martinez (415) 642-6721	Physical Science (Physics, Chem., Math., Engr.)	Ph.D.	1BW, 1HW 1NAM, 1BM	

B - Black
H - Hispanic
U - Unused
NA-Native American
W -Women
*-Permanent Resident
PR-Puerto Rican
MA-Mexican American
AA-Asian American
CB-Cuban American

STATE AND INSTITUTION	NO. OF FELLOWSHIPS*	AMOUNT	AREA OF STUDY	INSTITUTI AWARD
CALIFORNIA (Cont'd)				
University of California Berkeley	7	$54,600	Physical Sci.	------
University of California Los Angeles	3	23,400	Ed. Evaluation	------
University of California Santa Cruz	10	78,000	Earth Sci. Physics Astronomy Biology Chemistry	$22,500
University of the Pacific, McGeorge School of Law Sacramento	3	23,400	Law	------
University of Southern Calif. Los Angeles	3	23,400	Psychology	------
COLORADO				
University of Colorado Boulder	7	54,600	Geography Engineering Chemistry Earth Science	------
University of Denver Colorado Seminary Denver	5	39,000	Psychology Social Work	------
CONNECTICUT				
Yale University New Haven	17	132,600	Anthropology Political Sci. Economics Am. Studies History	------
DELAWARE				
University of Delaware Newark	3	23,400	Psychology Engineering	------
DISTRICT OF COLUMBIA				
Antioch University	3	23,400	Law	------

(MORE)

STATE AND INSTITUTION	NO. OF FELLOWSHIPS*	AMOUNT	AREA OF STUDY	INSTITUTIONAL AWARD
DISTRICT OF COLUMBIA (Cont'd)				
Howard University	9	$70,200	Biological & Health Sci. Engineering & Phy. Sci.	$17,000
Johns Hopkins Univ. (SAIS)	4	31,200	International Studies	6,000
FLORIDA				
Florida A & M University Tallahassee	5	39,000	Pharmacy	------
Florida State University Tallahassee	25	195,000	Psychology Economics Mathematics Criminology Biological Sci.	------
University of Florida Gainesville	10	78,000	Food Economics Business Law Engineering	------
GEORGIA				
Georgia Institute of Technology Atlanta	24	187,200	Engineering Architecture Info. & Computer Sci. Geophysical Sci.	22,868
University of Georgia Athens	5	39,000	Phychology Physics & Astronomy	19,000
ILLINOIS				
Illinois Institute of Technology Chicago	8	62,400	Engineering Computer Sci.	------
Northern Illinois University De Kalb	8	62,400	Chemistry English Education Psychology	20,000

(MORE)

STATE AND INSTITUTION	NO. OF FELLOWSHIPS*	AMOUNT	AREA OF STUDY	INSTITUTIONAL AWARD
ILLINOIS Cont'd)				
Northwestern University Evanston	5	$39,000	Law	$14,500
University of Chicago	4	31,200	Sociology	------
University of Illinois Chicago	4	31,200	Engineering Chemistry	3,035
INDIANA				
University of Notre Dame	12	93,600	Economics Psychology Law	------
Purdue University West Lafayette	11	85,800	School of Sci. Pharmacy	------
Indiana University Bloomington	3	23,400	Optometry	29,048
IOWA				
Iowa State University Ames	21	163,800	Agronomy Animal Sci. Chemistry Food & Nutrition Food Technology	26,000
University of Iowa Iowa City	6	46,800	Mathematical Sci. Speech Pathology & Audiology	------
KENTUCKY				
University of Kentucky Lexington	3	23,400	Law	16,150
University of Louisville	7	54,600	Chemistry Microbiology & Immunology Psychology Social Work	------
LOUISIANA				
Grambling State University	3	21,450	Sports Admin.	------

(MORE)

STATE AND INSTITUTION	NO. OF FELLOWSHIPS*	AMOUNT	AREA OF STUDY	INSTITUTIONAL AWARD
MARYLAND				
Morgan State University Baltimore	4	$31,200	Architecture	$35,000
University of Maryland College Park	3	23,400	Economics	------
MASSACHUSETTS				
Boston University Waltham	16	124,800	Med./Dental Sci. Law Nursing Engineering	35,160
Brandeis University	9	70,200	Biochemistry Biology Chemistry Math Physics	26,000
Massachusetts Inst. of Technology Cambridge	17	132,600	Engineering Science	25,000
University of Massachusetts Amherst	12	93,600	Polymer Science Food & Agriculture Eng. Business Admin. Elec. & Computer Engr. Food & Resource Economics	20,000
MICHIGAN				
Michigan State University East Lansing	9	70,200	Biochemistry Botany Mass Media Accounting	------
Oakland University Rochester	4	31,400	Engineering Management	------
University of Michigan Ann Arbor	14	109,200	Computer Sci. Applied Econ. Biostatistics Medical Care Organization	22,005

(MORE)

STATE AND INSTITUTION	NO. OF FELLOWSHIPS*	AMOUNT	AREA OF STUDY	INSTITUTIONAL AWARD
MINNESOTA				
University of Minnesota Minneapolis	19	$148,200	Dentistry Forestry Psychology Law Agriculture	$20,650
MISSISSIPPI				
Jackson State University	6	46,800	Accounting	17,500
Mississippi State University	9	70,200	Chemistry Engineering History Sociology	61,000
MISSOURI				
St. Louis University	5	39,000	Psychology	9,100
University of Missouri Columbia	9	70,200	Nuclear Eng. Elec. Engr. Industrial Engr. Civil Engineering	15,000
Washington University St. Louis	12	93,600	Biological Sci. Engineering Chemistry Math Physics	44,525
MONTANA				
University of Montana Missoula	4	31,200	Business Admin.	------
NEBRASKA				
Creighton University Omaha	6	46,800	Law	------
NEW HAMPSHIRE				
University of New Hampshire Durham	4	31,200	Business Admin. Engineering	------

(MORE)

STATE AND INSTITUTION	NO. OF FELLOWSHIPS*	AMOUNT	AREA OF STUDY	INSTITUTIONAL AWARD
NEW JERSEY				
Princeton University	3	$23,400	Psychology	$34,604
Rutgers University New Brunswick	15	117,000	Chemistry Biomedical Engr. Computer Science	------
NEW MEXICO				
New Mexico Highlands University Las Vegas	5	39,000	Ed. Admin. Social Work	19,900
New Mexico State University Las Cruces	3	23,400	Elec. Engr.	15,000
University of New Mexico Albuquerque	20	156,000	Physics & Astronomy Microbiology Math & Statis. Elec. Engr. & Computer Sci. Law	27,211
NEW YORK				
Columbia University New York	5	39,000	Engineering Political Sci.	------
Columbia University, College of Physicians & Surgeons	4	15,600	Occupational Therapy Physical Therapy	------
Cornell University Ithaca	24	187,200	Engineering Applied Biology City Planning Human Service Studies	30,000
City University of New York Graduate School New York	30	234,000	Chemistry Engineering Speech & Hear. Sociology Political Sci.	26,000
Hofstra University Hempstead	4	31,200	Law	34,000

(MORE)

STATE AND INSTITUTION	NO. OF FELLOWSHIPS*	AMOUNT	AREA OF STUDY	INSTITUTIONAL AWARD
NEW YORK (Cont'd)				
New York Law School	5	$39,000	Law	------
Rensselaer Poly. Institute Troy	6	46,000	Engineering Computer Sci.	------
State University of New York Albany	3	23,400	Atmospheric Sci.	------
State University of New York Binghampton	6	46,000	Computer Sci. Management Info. Systems	$17,775
NORTH CAROLINA				
North Carolina Central University Durham	5	39,000	Law Library Sci.	12,000
University of North Carolina Chapel Hill	11	85,000	City & Regional Planning History Political Sci. Psychology Public Health	------
Wake Forest University Winston-Salem	3	23,400	Law	8,500
OHIO				
Bowling Green State University	18	140,400	Mathematics Biological Sci. Business Communication Disorders Clinical Psych.	20,000
Cleveland State University	3	23,400	Law	------
Kent State University	7	54,600	Speech Pathology Physics Chemistry Geology	------
Ohio State University Columbus	6	46,800	Mathematics Chemistry	------

(MORE)

STATE AND INSTITUTION	NO. OF FELLOWSHIPS*	AMOUNT	AREA OF STUDY	INSTITUTIONAL AWARD
OHIO (Cont'd)				
University of Akron	7	$54,600	Polymer Sci. Chemistry Engineering	------
University of Cincinnati	3	23,400	Engineering	------
Wright State University Dayton	4	31,200	Nursing Business Adm.	------
OKLAHOMA				
University of Oklahoma Health Sciences Center Oklahoma City	9	70,200	Communication Disorders Biological Psych. Public Health	$10,100
University of Oklahoma Norman	5	39,000	Engineering Chemistry Fine Arts Law	------
PENNSYLVANIA				
Carnegie Mellon University Pittsburgh	10	78,000	Management Sci. Engineering	27,171
Pennsylvania State University University Park	5	39,000	Agriculture Business	------
Temple University Philadelphia	15	117,000	Biology Health Sci. Psychology Business Adm. Communications	33,000
University of Pennsylvania Philadelphia	5	39,000	Veterinary Medicine	-----
University of Pittsburgh	7	54,600	Engineering	------
RHODE ISLAND				
Brown University Providence	25	195,000	Engineering Computer Sci. Geology Physics Math. Sci.	34,000

(MORE)

STATE AND INSTITUTION	NO. OF FELLOWSHIPS*	AMOUNT	AREA OF STUDY	INSTITUTIONAL AWARD
SOUTH DAKOTA				
Black Hills State College Spearfish	3	$23,400	Education (Indian Studies)	------
University of South Dakota Vermillion	4	31,200	Higher Ed. Adm.	------
TENNESSEE				
Vanderbilt University Nashville	9	70,200	Engineering Law Economics	------
Meharry Medical College Nashville	5	39,000	Biosciences	$19,000
Tennessee State University Nashville	3	23,400	Engineering	11,000
TEXAS				
Rice University Houston	3	23,400	Chemical Engr. Geology Economics	------
Texas Southern University Houston	7	54,600	Law Education	------
University of Texas-Dallas Richardson	4	31,200	Geosciences Environmental Science	------
UTAH				
University of Utah Salt Lake City	5	39,000	Law Chemistry	26,500
VIRGINIA				
Hampton Institute	5	39,000	Nursing Communication Disorders Biological Sci.	17,000
Virginia Polytechnic Institute Blacksburg	6	46,800	Chemical Engr. Accounting Agronomy	15,000
Virginia State College Petersburg	4	31,200	Economics	38,090

(MORE)

STATE AND INSTITUTION	NO. OF FELLOWSHIPS*	AMOUNT	AREA OF STUDY	INSTITUTIONA AWARD
VIRGINIA (Cont'd)				
University of Virginia Charlottesville	18	$122,850	English Law Business Engineering	------
WASHINGTON				
Central Washington State University Ellensburg	3	24,400	Psychology & Counseling	------
Gonzaga University Spokane	5	39,000	Law	------
Seattle Pacific University	3	23,400	Bilingual Ed.	------
Washington State University Pullman	3	23,400	Veterinary Sci.	$12,000
WISCONSIN				
University of Wisconsin Madison	9	70,200	Chemical Engr. Earth Sciences	13,164
University of Wisconsin Milwaukee	19	148,200	Engineering Business Adm. Geosciences Architecture Nursing	------
TOTALS	874	$6,772,100		$1,114,286

# # #

TABLE 22

GRADUATE AND PROFESSIONAL OPPORTUNITIES PROGRAM
1979-80 Academic Year

STATE AND INSTITUTION	NO. OF FELLOWSHIPS*	AMOUNT	AREA OF STUDY	INSTITUTIONAL AWARD
ALABAMA				
Alabama A & M Univ. Huntsville	5	$39,000	Business Admin.	$11,700
Tuskegee Institute	7	54,600	Architecture	------
University of Alabama University	3	23,400	Engineering	------
ARIZONA				
Arizona State Univ. Tempe	5	39,000	Psychology Chem. & Bioengr. Solid State Sci.	------
Northern Arizona Univ. Flagstaff	7	54,600	Biology Business Admin. Forestry	------
iversity of Arizona ucson	19	148,200	Anthropology Optical Sci. Geosciences Elec. Engr. Higher Education	25,000
ARKANSAS				
University of Arkansas Fayetteville	6	46,800	Agronomy Engineering	------
CALIFORNIA				
Claremont Univ. Center	5	39,000	Business Admin. Psychology	------
Stanford University	17	132,600	Physical Sci. & Engineering Biological Sci. Psychology Anthropology Law	35,000

*Fellowships are $7,800 each ($3,900 stipend and $3,900 institutional allowance), where noted, institutional grants are also awarded. Number of fellowships ludes both new and continuing.

(MORE)

State, Institution, and Contact Person	Approved Program(s)	Degree	Number of Fellowships Awarded *	Part A Inst'l. Grant
CALIFORNIA (Cont'd.)				
University of Pacific-Law Stockton, California 96211 Robert Chaim (916) 449-7117	Law	J. D.	1AAM 1HM 1BM	-
COLORADO				
University of Colorado Boulder, Colorado 80309 Dr. Ernest Patterson (303) 492-7401	Chemistry	M.S.	1WW	
	Geography	Ph.D.	1WW, 1BM	-
	Engineering	Ph.D.	2WW	
	Earth Science	Ph.D.	2WW 1U	
CONNECTICUT				
Yale University New Haven, Connecticut 06520 Robert E. Bunselmeyer (203) 436-8366	Anthropology	Ph.D.	1PRM	
	Political Science	Ph.D.	1BM, 1C3F, 1WW, 1AAM	-
	Economics	Ph.D.	1BM	
	History	Ph.D.	1WW, 1CBM	
DISTRICT OF COLUMBIA				
Antioch College Washington, D. C. 20009 Jean Camper Cahn (202) 265-9500	Law	J. D.	3BM	$19,200
FLORIDA				
Florida State University Tallahassee, Florida 32306 Dr. William Jones (904) 644-5512	Mathematics	Ph.D.	1BW	
	Biology	Ph.D.	1NAM, 2BM, 1HM	-
	Psychology	Ph.D.	1BW, 1BM, 1HW, 1HM	
	Economics	Ph.D.	1BM	
GEORGIA				
Georgia Inst. of Tech. Atlanta, Georgia 30322 Dr. Helen Grenga (404) 894-2545	Engineering	MS/Ph.D.	2WW, 2BW, 1BM	$22,500
	Architecture	M.A.	1BM, 1WW	
	Info. & Computer Science	MS/Ph.D.	3WW	
	Textile Engr.	MS/Ph.D.	1WW	

State, Institution, and Contact Person	Approved Program(s)	Degree	Number of Fellowships Awarded*	Part A Inst'l Grant
ILLINOIS				
Illinois Inst. of Tech. Chicago, Illinois 60616 Dr. E. F. Stueben (312) 881-1387	Civil Engineering	Ph.D.	1HM	$23,00
	Elec. Engineering	Ph.D.	1AAM	
	Mech. Engineering	Ph.D.	1BM, 2AAM	
	Metallurgy	Ph.D.	1HM 1U	
Northwestern University Evanston, Illinois 60201 Dean Stephen T. Yandle (312) 649-8471	Law	J.D.	3BW*	-
Northern Illinois University DeKalb, Illinois 60115 James Rutledge (815) 753-0395	Education	Ed.D.	2WW	$16,50
	Psychology	Ph.D.	1BW, 1HW	
	Chemistry	Ph.D.	1WW, 1HM	
INDIANA				
Purdue University Lafayette, Indiana 47907 Luther Williams (317) 494-8862	School of Science	Ph.D.	3BM, 2BW, 1HM	-
	Pharmacology	Ph.D.	1BM, 1BW, 1HW	
University of Notre Dame Notre Dame, Indiana 46556 Julian Samora (219) 283-6197	Law	J.D.	3HM, 1HW	$22,90
	Economics	Ph.D.	2HM	
	Psychology	Ph.D.	1HW 1U	
IOWA				
Iowa State University Ames, Iowa 50010 Dr. David Williams (515) 294-5872	Agronomy	MS/Ph.D.	1BM, 1WW	$10,00
	Animal Science	MS/Ph.D.	2BM	
	Chemistry	MS/Ph.D.	2WW, 1AAW	
University of Iowa Iowa City, Iowa 52242 Rudolph W. Schulz (319) 353-5534	Actuarial Science	Ph.D.	2WW	-
	Speech Path. & Aud.	Ph.D.	2WW	
	Statistics	Ph.D.	1WW 2U	
LOUISIANA				
Grambling State University Grambling, Louisiana 71245 Louis C. Goodwin (318) 247-6941, ext. 457	Sports Administration	M.S.	2BM, 1WM	-

State, Institution, and Contact Person	Approved Program(s)	Degree	Number of Fellowships Awarded*	Part A Inst'l. Grant
MARYLAND				
University of Maryland College Park, Md. 20742 Dr. Archie L. Buffkins (301) 454-4749	Economics	MA/Ph.D.	3BW	-
MASSACHUSETTS				
Boston University Boston, Massachusetts 02215 Dr. Francis R. Collins (617) 353-4365	Medical/Dental Science	Ph.D.	1BM, 1BW, 3AAW#	$12,500
	Engineering	MS/Ph.D.	2BM, 1BW	
Mass. Inst. of Technology Cambridge, Mass. 02139 Dr. John B. Turner (617) 253-1000	Engineering	Ph D.	2BW, 1BM	$20,000
	Biology	Ph.D.	1BW, 1PRM	
	Physics	Ph.D.	2BM	
	Chemistry	Ph.D.	1BW, 1HM	
MICHIGAN				
Univ. of Michigan-Ann Arbor Ann Arbor, Michigan 48104 Dr. Alfred Sussman (313) 764-4400	Computer Science	Ph.D.	1AAM	$22,000
	Applied Economics	M.S.	2WW	
	Biostatistics	Ph.D.	2WW, 1BW, 1BM	
	Medical Care Organization	M.H.S.A.	2BW, 1WW, 1AAM	
MINNESOTA				
University of Minnesota Minneapolis, Minn. 55455 Patricia Mullen (612) 373-7969	Psychology	Ph.D.	1BW	$22,500
	Forestry	Ph.D.	1BM	
	Law	J.D.	1BM, 1HM, 1NAW	
	Dentistry	D.D.S.	1HW, 1BM, 1BW, 1AAW, 1NAW 1U.	
MISSISSIPPI				
Jackson State University Jackson, Mississippi 39217 Dr. Ronald D. Niemeyer (601) 968-2414	Accounting	M.P.A.	2BM#1BW	$14,000
MISSOURI				
St. Louis University St. Louis, Missouri 63103 Dr. James Korn (314) 658-2301	Psychology	Ph.D.	2WW, 1BM	-

State, Institution, and Contact Person	Approved Program(s)	Degree	Number of Fellowships Awarded*	Part A Inst'l. Grant
MONTANA				
University of Montana Missoula, Montana 59801 Henrietta Whiteman (406) 243-0211	Business Admin.	M.B.A.	2NAW	-
	Public Admin.	M.P.A.	1NAM 5U	
NEBRASKA				
Creighton University Omaha, Nebraska 68178 Professor Frances Ryan (402) 449-3091	Law	J.D.	1WW,1BM,1HM	-
NEW JERSEY				
Rutgers University New Brunswick, N. J. 08903 Dr. James L. Young (201) 932-7449	Computer Science	Ph.D.	1WM,2WW	-
	Chemistry	Ph.D.	1BM,1AAW,1WW	
	Biomedical Engr.	Ph.D.	1BM,2WW	
NEW MEXICO				
Univ. of New Mexico Albuquerque, New Mexico 87131 Bernard Spolsky (505) 277-2334	Elec. Engineering/ Computer Science	Ph.D.	3WW	$17,000
	Math/Statistics	M.S.	1HW,2WW	
	Law	J.D.	1BW,1B/HM,2HM	
NEW YORK				
Columbia Univ. - College of Phys. & Surgeons New York, New York 10027 Dr. Susanna Frisch (212) 694-4154	Physical Therapy	M.S.	1WM,1WW	-
	Occupational Ther.	M.S.	1BM,1BW	
Cornell University Ithaca, New York 14853 Benjamin Bowser (607) 256-5235 or 4484	Entomology	Ph.D.	1PRM	-
	Engineering	Ph.D.	2PRM,2BM,1HM	
	City Planning	Ph.D.	1BW,1BM	
	Vegetable Crops	Ph.D.	2BM	
	Natural Resources	Ph.D.	1HM	
CUNY Graduate School New York, New York 10036 Dean Harrison (212) 790-4242	Chemistry	Ph.D.	1WW,1HW	$24,000
	Engineering	Ph.D.	2WW,1BW	
	Speech & Hearing Science	Ph.D.	1BW,1HW	
	Sociology	Ph.D.	2BM,1HW	
	Political Science	Ph.D.	3BM,2BW	

State, Institution, and Contact Person	Approved Program(s)	Degree	Number of Fellowships Awarded*	Part A Int'l. Grant
NEW YORK (Cont'd.)				
New York School of Law				
New York, New York 10013	Urban Legal Study	J.D.	1HM,1BW,1HW	-
Prof. Marianne C. Spraggins				
(212) 966-3500				
NORTH CAROLINA				
Univ. of North Carolina				
Chapel Hill, N. C. 27514	Psychology	Ph.D.	1BM,1BW	-
Blyden Jackson	Public Health	Ph.D.		
(919) 933-1058	Biostatistics		1BW	
	Epidemiology		1BM	
	Environ. Science		1WW	
OHIO				
Bowling Green State Univ.				
Bowling Green, Ohio 43403	Business Admin.	M.B.A.	3BW	$15,0
Dr. Winifred Stone	Mathematics	MA/Ph.D.	1BM	
(419) 372-2793	Biology	MS/Ph.D.	1HM,1AAM,2BW 1U	
Ohio State University				
Columbus, Ohio 43210	Mathematics	Ph.D.	1BM,1BW	$20,5
Frank W. Hale, Jr.	Chemistry	Ph.D.	3BW 1U	
(614) 422-5881				
Wright State University				
Dayton, Ohio 45431	Business Admin.	M.B.A.	1BM,1BW,1WW	-
Dr. Donald C. Thomas	Rehab./Comm. Health	M.S.	1WM 1U	
(513) 873-2031 or 2425				
OKLAHOMA				
Univ. of Oklahoma-Med.				
Oklahoma City, Okla. 73190	Communication Dis-			
Dr. Ralph Daniels	orders	Ph.D.	1WW,2HW	$11,7
(405) 271-2090				
Univ. of Oklahoma				
Norman, Oklahoma 73069	Fine Arts	DMA/DME	1WW,1AAW	$18,5
Marilyn Affleck	Chemistry	MS/Ph.D.	1BM,1WW	
(405) 325-3311	Engineering	Ph.D.	1NAM,1WW	
	Law	J.D.	2BM 1U	
PENNSYLVANIA				
Carnegie Mellon Univ.				
Pittsburgh, Pa. 15213	Management Science	Ph.D.	3WW	-
Dean Norman Johnson	Engineering	Ph.D.	3WW,1AAW	
(412) 578-2159				

State, Institution, and Contact Person	Approved Program(s)	Degree	Number of Fellowships Awarded*	Part A Inst'l. Grant
PENNSYLVANIA (Cont'd.)				
Univ. of Pennsylvania Philadelphia, Pa. 19174 Ms. Elinor Coy (215) 243-7236	Vet. Medicine	Ph.D.	1BW,1BM,1HM	$10,500
Univ. of Pittsburgh Pittsburgh, Pa. 15260 Dr. Karl H. Lewis (412) 624-5378	Engineering	Ph.D.	1BW,1BM 3U	$19,000
RHODE ISLAND				
Brown University Providence, R. I. 02912 Bernard Bruce (401) 863-2289	Engineering	Ph.D.	1BM	$31,600
	Applied Math.	Ph.D.	1AAM,1NAW, 1BW,4WW	
	Computer Science	Ph.D.	2WW	
	Geology	Ph.D.	2WW,1AAM	
	Physics	Ph.D.	1BM,1WW	
SOUTH CAROLINA				
Clemson University Clemson, S. C. 29631 Stephen Chapan (803) 656-2371			2U	$10,00
SOUTH DAKOTA				
Univ. of South Dakota Vermillion, S. D. 57069 Dr. Rick La Pointe (605) 677-5453	Adult & Higher Ed. Administration	Ph.D.	1NAM,3NAW	-
TENNESSEE				
Meharry Medical College Nashville, Tenn. 37208 Dr. Charles W. Johnson (615) 327-6316	Biosciences	Ph.D.	1BW,2BM#	$22,0
TEXAS				
Rice University Houston, Texas 77001 Dr. John L. Margrave (713) 527-4813	Chem. Engineering	M.Ch.E.	1WW	-
	Geology	MS/Ph.D.	2WW	
	Economics	Ph.D.	1WW	

State, Institution, and Contact Person	Approved Program(s)	Degree	Number of Fellowships Awarded*	Part A Inst'l. Grant
TEXAS (Cont'd.)			—	
St. Mary's University				
San Antonio, Texas 78284	Counseling	M.A.	1BW,1WW,1HM	-
Dr. Grace Luther				
(512) 436-3226				
VIRGINIA				
Hampton Institute				
Hampton, Virginia 23668	Nursing	M.S.	2BW	$15,000
Dr. Hazel J. Garrison				
(804) 727-5000				
Univ. of Virginia				
Charlottesville, Va. 22903	Business	M.B.A.	1BW,3BM	-
William M. Harris	Law	J.D.	1BW,3BM	
(804) 924-7923	Engineering	Ph.D.	1BM 1U	
WASHINGTON				
Seattle Pacific Univ.				
Seattle, Washington 98119	Bilingual Education	M.Ed.	2AAM#,1AAW#	-
Dr. Eunice Schmidt				
(206) 281-2214				
WISCONSIN				
Univ. of Wisc.-Milwaukee				
Milwaukee, Wisc. 53201	Engineering	D.E.	3BM,1AAM	$18,500
Dean George W. Keulks	Nursing	M.S.	2BW	
(414) 963-5483	Management Science	Ph.D.	1BM	
	Architecture	M.Arch.	2BM	
Univ. of Wisc.-Madison				
Madison, Wisc. 53706	Chem. Engineering	Ph.D.	2AAW,1PRM,1WW	-
Dean Robert M. Bock	Meteorology	Ph.D.	1AAM	
(608) 262-1044	Geology	Ph.D.	1AAM,1AAW 1U	

U. S. OFFICE OF EDUCATION

FY 1980 AWARDS
GRADUATE AND PROFESSIONAL OPPORTUNITIES PROGRAM

1/3/80

State, Institution, and Contact Person	Approved Program (s)	Degree	Renewal Fsps.	New Fsps.	Target Group*	Part A Inst'l. Grant
ALABAMA						
Alabama A & M Univ.						
Normal, Alabama 35762	Business Admin.	MBA	5	2	B	
Dr. Annas Aytch	Computer Science	M	-	2	B	
(205) 859-7302	Food Science	MS	-	2	B	$11,880
Tuskegee Institute						
Tuskegee, Ala. 36088	Architecture	M.Arch.	2	2	B	
Dr. William L. Lester	Chemistry	MS	-	2	B	
(205) 727-8471	Engineering	MS	-	2	B	$ 8,640
University of Alabama						
University, Ala. 35486	Engineering	Ph.D	3	3	B,W	
Dr. Harold L. Bishop						
(205) 348-6060						
ARIZONA						
Arizona State Univ.						
Tempe, Arizona 85281	Psychology	Ph.D.	2	-	H	
Dr. Charles M. Woolf	Chemical & Bioengr.	MS,Ph.D.	2	-	B,O	
(602) 965-3521	Solid State Sci.	MS	1	-	O	
Northern Arizona Univ.						
Flagstaff, Ariz. 86011	Business Admin.	MBA	3	-	A,W	
Dr. Delno C. West	Forestry	MS	1	-	Handicapped	
(602) 523-3983	Biology	Ph.D.	3	-	N,B,H	
University of Arizona						
Tucson, Arizona 85721	Anthropology	Ph.D.	8	-	N,H	
Dr. Jane H. Underwood	Geosciences	MS,Ph.D.	5	-	N,H	
(602) 626-4766	Optical Sciences	Ph.D.	2	-	N,H	
	Higher Education	Ph.D.	3	-	N,H	
ARKANSAS						
University of Arkansas						
Fayetteville, Ark. 72701	Agronomy	Ph.D.	5	-	M,W	
Dr. James H. White	Engineering	Ph.D.	1	-	M,W	
(501) 575-4401						

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* A-Asian Americans; B-Blacks; H-Hispanics; M-Minorities; N-Native Americans; O-Other; P-Puerto Ricans; W-Women

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part Inst' Grant
CALIFORNIA						
Claremont Univ. Center						
Claremont, Calif. 91711	Business Admin.	MBA	2	-	H	
Ms. Carolyn Ellner	Psychology	Ph.D.	3	-	W	
(714) 621-8000, Ext. 3318						
Stanford University						
Stanford, Calif. 94305	Physical Sciences	Ph.D.	10	-	B,H,N,W	
Dr. Arthur B. Walker, Jr.	Biological Sci.	Ph.D.	1	-	B,H,N,W	
(415) 497-2496	Psychology	Ph.D.	1	-	B,H,N,W	
	Anthropology	Ph.D.	3	-	B,H,N,W	
	Law	Ph.D.	2	-	B,H,N,W	$ 5,40
Univ. of Calif.-Berkeley						
Berkeley, Calif. 94720	Physical Sciences	Ph.D.	6	-	M	
Dr. J. R. Martinez						
(415) 642-5727						
Univ. of Calif.-Los Angeles						
Los Angeles, Calif. 90024	Educ. Evaluation	Ph.D.	3	-	B,A,N,H	
Ms. Victoria A. Fromkin						
(213) 825-4383						
Univ. of Calif.-Santa Cruz						
Santa Cruz, Calif. 95064	Biology	Ph.D.	1	-	H,B,N	
Dr. John Ellis	Chemistry	Ph.D.	4	-	H,B,N	
(408) 429-2301	Earth Sciences	Ph.D.	3	-	H,B,N	
	Astronomy	Ph.D.	1	-	H,B,N	
	Physics	Ph.D.	1	-	H,B,N	$ 7,99
Univ. of the Pacific - McGeorge School of Law						
Sacramento, Calif. 95817	Law	JD	3	2	H,B	
Dr. Robert Chaim						
(916) 449-7117						
Univ. of Southern Calif.						
Los Angeles, Calif. 90007	Clinical Psych.	Ph.D.	3	-	M	
Dr. Nelson Horn						
(213) 741-5179						
COLORADO						
Univ. of Colorado-Boulder						
Boulder, Colorado 80309	Geography	Ph.D.	2	-	H,A,N,B	
Dr. Ernest Patterson	Engineering	Ph.D.	2	-	H,A,N,B	
(303) 492-7401	Chemistry	MA	1	-	H,A,N,B	
	Earth Sciences	Ph.D.	1	-	H,A,N,B	
Univ. of Denver Colo. Sem.						
Denver, Colorado 80208	Psychology	Ph.D.	2	-	H	
Dr. Robert Amme	Social Work	MSW,Ph.D.	3	-	H	
(303) 753-2706						

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
CONNECTICUT						
Yale University New Haven, Ct. 06520 Dean Robert Bunselmeyer (203) 436-8366	Political Science	Ph.D.	4	2	B,H,N,P	
	Economics	Ph.D.	4	2	B,H,N,P	
	American Studies	Ph.D.	1	2	B,H,N,P	
	Anthropology	Ph.D.	2	1	B,H,N,P	
	History	Ph.D.	1	1	B,H,N,P	
	Social Science	Ph.D.	4	-	B,H,N,P	
DELAWARE						
University of Delaware Newark, Delaware 19711 Dr. R. B. Murray (302) 738-2147	Psychology	Ph.D.	2	-	B	
	Chemical Engr.	Ph.D.	1	-	B	
DISTRICT OF COLUMBIA						
Antioch School of Law Washington, D. C. 20009 Dr. Stephen L. Plumer (202) 387-8855	Law	JD	-	3	M	$ 3,996
Howard University Washington, D. C. 20059 Dr. Johnetta G. Davis (202) 636-7469	Biological & Health Science	Ph.D.	6	-	B	
	Engr. & Phys. Sci.	Ph.D.	4	-	B	
Johns Hopkins Univ. (SAIS) Washington, D. C. 20036 Dr. George R. Packard (202) 785-6220 Assoc. Dean Geo. L. Crowell (202) 785-6232	Int'l. Studies	MA,Ph.D.	3	-	B,W	
FLORIDA						
Florida A & M University Tallahassee, Fla. 32307 Dr. Henry Lewis, III (904) 599-3343	Pharmacy	Ph.D.	5	3	B	$15,120
Florida State University Tallahassee, Fla. 32306 Dr. William R. Jones (904) 644-5512	Biology	Ph.D.	6	-	B,W	
	Mathematics	Ph.D.	4	-	B,W	
	Criminology	Ph.D.	4	-	B,W	
	Economics	Ph.D.	3	-	B,W	
	Psychology	Ph.D.	8	-	B,W	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
FLORIDA (cont'd.)						
University of Florida Gainesville, Fla. 32611 Dr. Mildred Hill-Lubin (904) 392-4646	Chemistry	MS, Ph.D.	-	2	B	
	Microbiology	Ph.D.	-	1	B	
	Zoology	MS, Ph.D.	-	2	B	
	Business Admin.	MBA, Ph.D.	5	2	B	
	Law	JD	3	2	B	
	Food Economics	MA, Ph.D.	2	-	B	
	Engineering	Ph.D.	1	-	B	
GEORGIA						
Atlanta University Atlanta, Georgia 30314 Dr. John C. Dunn (404) 525-4357	Political Science	Ph.D.	-	2	W,B	
	Chemistry	Ph.D.	-	1	W,B	$12,960
Georgia Inst. of Tech. Atlanta, Georgia 30332 Dr. Helen E. Grenga (404) 894-2545	Energy Engr.	MA, Ph.D.	3	2	B,W	
	Bioengineering	MA, Ph.D.	3	1	B,W	
	Transp. Engr.	MA, Ph.D.	3	1	B,W	
	Architecture	MS	4	2	B,W	
	Info. & Comp. Sci.	MA, Ph.D.	4	-	B,W	
	Geophysical Sci.	MA, Ph.D.	2	2	B,W	$18,360
University of Georgia Athens, Georgia 30602 Dr. Jack O. Jenkins (404) 542-1133	Psychology	Ph.D.	3	-	B	
	Physics & Astronomy	MA, Ph.D.	1	-	B,W	
ILLINOIS						
Illinois Inst. of Tech. Chicago, Ill. 60616 Dr. Edwin F. Stueben (312) 567-3167	Engineering	Ph.D.	6	-	B,H,P,A	
	Computer Science	Ph.D.	1	-	B,H,P,A	
Northern Illinois Univ. DeKalb, Ill. 60115 Dr. James A. Rutledge (815) 753-0395	Psychology	Ph.D.	2	-	M,W	
	Chemistry	Ph.D.	4	-	M,W	
Northwestern University Evanston, Ill. 60201 Dr. Hugh M. Hulburt (312) 492-7264	Law	Ph.D.	5	2	M,W	$ 7,020
University of Chicago Chicago, Ill. 60637 Dr. Charles D. O'Connell (312) 753-3247 Dr. Cedric L. Chernick (312) 753-3080	Sociology	Ph.D.	4	-	B	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
ILLINOIS (Cont'd.)						
University of Illinois						
Urbana, Ill. 61801	Engineering	Ph.D.	-	3	B,H,N	
Dr. Elaine J. Copeland	Architecture	MS	-	2	B,H,N	
(217) 333-4860	Law	JD,MAS	-	1	B,H,N	$13,500
Univ. of Ill.-Chicago Circle						
Chicago, Ill. 60680	Engineering	Ph.D.	2	2	B,H,N,W	
Dr. Richard Buchanan	Chemistry	Ph.D.	2	2	B,H,N,W	
(312) 996-2674	English Comp.	Ph.D.	-	2	B,H	
INDIANA						
Indiana University						
Bloomington, Ind. 47401	Chemistry	Ph.D.	-	2	W,M	
Dr. Eugene Eoyang	Physics	MS,Ph.D.	-	2	W,M	
(812) 337-8913	Optometry	MS,Ph.D.	3	2	W,M	$11,880
Purdue University						
West Lafayette, Ind. 47907	School of Sciences	Ph.D.	9	-	B,H	
Dr. Luther S. Williams	Pharmacy	Ph.D.	3	-	B,H	
(317) 494-9962						
Univ. of Notre Dame						
Notre Dame, Ind. 46556	Economics	Ph.D.	5	-	H	
Prof. Julian Samora	Psychology	Ph.D.	3	-	H	
(219) 283-6197	Law	Ph.D.	4	-	H	
IOWA						
Iowa State University						
Ames, Iowa 50001	Agric. Science	MS,Ph.D.	8	2	B,H,N,W	
Dr. David L. Williams	Chemistry	MS,Ph.D.	1	-	B,H,N,W	
(515) 294-5872	Food Technology	MS,Ph.D.	2	-	B,H,N,W	
	Food & Nutrition	MS,Ph.D.	3	-	B,H,N,W	
University of Iowa						
Iowa City, Iowa 52242	Mathematical Sci.	Ph.D.	2	-	M,W	
Assoc. Dean James Jacobsen	Speech Path. & Aud.	Ph.D.	3	-	M,W	
(319) 353-5534						
KENTUCKY						
University of Kentucky						
Lexington, Ky. 40506	Law	JD	3	-	M	
Dean Jaros						
(606) 257-2761						
University of Louisville						
Louisville, Ky. 40208	Chemistry	Ph.D.	2	2	B,W	
Dr. Joseph H. McMillan	Psychology	Ph.D.	1	2	B	
(502) 588-6153	Social Work	MSW	1	1	B,W	
	Law	JD	-	1	B	
	Microbio. & Immun.	Ph.D.	3	-	B	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
MARYLAND						
Johns Hopkins Univ. Baltimore, Md. 21218 Assoc. Dean Michael Hooker (301) 338-8024	Psychology	Ph.D.	-	3	W	
Morgan State University Baltimore, Md. 21239 Ms. Anne Marie Pallowy (301) 444-	Architecture	M.Arch.	4	-	M,W	
University of Maryland College Park, Md. 20742 Dr. Robert E. Menzer (301) 454-4408	Economics	MA,Ph.D.	3	1	M,W	
	Agric. Engineering	MS,Ph.D.	-	2	M,W	$ 8,640
MASSACHUSETTS						
Boston University Boston, Mass. 02215 Dr. Francis R. Collins	Law	JD	3	2	M,W	
	Med./Dent. Science	MA,Ph.D.	7	2	M,W	$16,200
Brandeis University Waltham, Mass. 02254 Dean Robert Arlt (617) 647-2507	Biochemistry	Ph.D.	2	-	B,H,W	
	Biology	Ph.D.	4	-	B,H,W	
	Chemistry	Ph.D.	3	-	B,H,W	
Mass. Inst. of Technology Cambridge, Mass. 02139 Dean John B. Turner (617) 253-4846	Engineering	Ph.D.	7	-	B,P,H	
	Science	Ph.D.	11	-	H,A	
Univ. of Massachusetts Amherst, Mass. 01003 Ms. Bertha Auten (413) 545-0666	Elec. & Comp. Engr.	MS,Ph.D.	3	-	All	
	Rood & Res. Econ.	MS,Ph.D.	2	-	All	
	Business Admin.	Ph.D.	1	-	All	
	Food Engineering	MS,Ph.D.	2	-	All	
	Polymer Sci.& Engr.	Ph.D.	2	-	All	
MICHIGAN						
Michigan State University East Lansing, Mich. 48824 Dr. Herbert J. Oyer (517) 355-0300	Biochemistry	Ph.D.	3	-	M,W	
	Botany	MS,Ph.D.	1	-	W	
	Mass Media	Ph.D.	3	-	M	
	Accounting	Ph.D.	2	-	M,W	
Oakland University Rochester, Mich. 48063 Dr. Frederic A.H. Siegel (313) 377-3166	Engineering	MS,Ph.D.	3	-	B,W,M	
	Management	MBA	1	-	M	
University of Michigan Ann Arbor, Mich. 48109 Dr. Donald R. Deskins, Jr. (313) 764-5477	Applied Economics	MA,Ph.D.	1	-	W,M	
	Biostatistics	MS,Ph.D.	6	-	W,M	
	Computer Science	MS,Ph.D.	1	-	W,M	
	Medical Care Org.	MHSA,Ph.D.	1	-	W,M	$ 3,240

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
MINNESOTA						
Univ. of Minnesota Minneapolis, Minn. 55455 Ms. Patricia Mullen (612) 373-7969	Agric. Sciences	MS,Ph.D.	4	2	M,W	
	Forestry	MS	2	1	M	
	Psychology	Ph.D.	1	-	B	
	Dentistry	DDS	8	2	M	
	Law	JD	5	2	B,H,N	$12,960
MISSISSIPPI						
Jackson State Univ. Jackson, Miss. 39217 Dr. Ronald Niemeyer (601) 968-2414	Accounting	MPA	5	3	B	$ 6,480
Mississippi State Univ. Mississippi State, Miss. 39762 Dr. William E. McHenry (601) 325-2336	Chemistry	Ph.D.	3	-	All	
	Engineering	Ph.D.	2	-	All	
	Sociology	MA,Ph.D.	2	-	All	
	History	MA,Ph.D.	2	-	All	
MISSOURI						
St. Louis University St. Louis, Mo. 63101 Dr. William Stauder, S.J. (314) 658-2244	Psychology	Ph.D.	5	-	B	$ 3,888
Univ. of Missouri-Columbia Columbia, Mo. 65211 Dr. Donald M. Blount (314) 882-6311	Nuclear Engr.	Ph.D.	4	-	M,W	
	Industrial Engr.	Ph.D.	2	-	M,W	
	Electrical Engr.	Ph.D.	2	1	M,W	
	Civil Engineering	Ph.D.	2	-	M,W	
	Journalism	Ph.D.	-	2	M,W	
Washington University St. Louis, Mo. 63130 Dr. Gerald W. Patton (313) 889-6818	Biological Sci.	Ph.D.	5	1	All	
	Engineering	MS,Ph.D.	2	2	All	
	Chemistry	Ph.D.	3	1	All	
	Physics	Ph.D.	1	2	All	
	Law	JD	-	1	All	
	Mathematics	Ph.D.	1	-	All	$14,040
MONTANA						
Montana State University Bozeman, Montana 59715 Dr. Robert Peregoy (406) 994-3881	Engineering	MA	-	3	N,M	
University of Montana Missoula, Montana 59812 Dr. Richard Withycombe (406) 243-4983	Business Admin.	MBA	1	-	M,N	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
NEBRASKA						
Creighton University						
Omaha, Nebraska 68178	Law	JD	6	2	M	
Prof. Frances M. Ryan	Dentistry	DDS	-	2	M	
(402) 449-3091						
University of Nebraska						
Lincoln, Nebraska 68588	Architecture	M.Arch.	-	2	M,W	
Dr. Henry F. Holtzclaw, Jr.	Psychology	Ph.D.	-	1	M,W	
(402) 472-2875						
NEW HAMPSHIRE						
Univ. of New Hampshire						
Durham, N. H. 03824	Engineering	Ph.D.	2	-	W	
Dr. William Drew	Business Admin.	MBA	2	-	W	
(603) 862-2214						
NEW JERSEY						
Princeton University						
Princeton, N. J. 08544	Psychology	Ph.D.	2	-	B,H,N	
Dr. David N. Redman	Politics	Ph.D.	1	-	B,H,N	
(609) 452-3032						
Rutgers Univ. - Newark						
Newark, N. J. 07102	Criminal Justice	Ph.D.	-	2	M	
Dr. Alfred Slocum	Management	Ph.D.	-	2	M	
(201) 648-5541	Law/Urban Planning	JD,MA	-	2	M	
Rutgers Univ.-New Brunswick						
New Brunswick, N.J. 08903	Computer Science	Ph.D.	1	-	M	
Dr. James L. Young	Biomedical Engr.	Ph.D.	7	-	M,W	
(201) 932-7449	Chemistry	Ph.D.	3	M,W		
NEW MEXICO						
New Mexico Highlands Univ.						
Las Vegas, N. M. 87701	Social Work	MSW	1	-	N,W,M	
Dr. Sam Suina	Education Admin.	MA	2	-	N,W,M	$10,800
(505) 425-7511						
New Mexico State University						
Las Cruces, N. M. 88003	Elec. & Comp. Engr.	Ph.D.	3	-	H,W	
Dr. Frank Carden	Educ. Management	Ph.D.	-	2	M,W	$ 6,912
(505) 646-1323						
University of New Mexico						
Albuquerque, N. M. 87131	Electrical Engr. &					
Dr. Bernard Spolsky	Computer Science	Ph.D.	5	-	M,W	
(505) 277-2711	Law	JD	7	-	H,B,N	
	Math. & Statistics	MS	4	-	H,W,N	
	Microbiology	MS,Ph.D.	2	-	H,W	
	Physics & Astron.	MS,Ph.D.	2	-	H,B,N,W	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
NEW YORK						
Columbia University New York, N. Y. 10027 Ms. Susan M. Maier (212) 280-2857	Political Science	Ph.D.	3	-	M	
	Engr. & Appl. Sci.	Ph.D.	3	-	M	
Columbia Univ. - College of Physicians & Surgeons New York, N. Y. 10032 Dr. Susan Trisch (212) 694-4154	Occupational Theory	MS	1	-	M	
Cornell University Ithaca, N. Y. 14853 Dr. Benjamin P. Bowser (607) 256-5235	Engineering	Ph.D.	9	2	B,H,N,P	
	Applied Biology	Ph.D.	8	2	B,H,N,P	
	City Planning	Ph.D.	4	-	B,H,N,P	
	Human Ser. Studies	MA,Ph.D.	3	-	B,H,N,P	$12,960
CUNY Graduate School New York, N. Y. 10036 Dean K. Harrison (212) 790-4242	Chemistry	Ph.D.	6	3	B,H	
	Engineering	Ph.D.	5	3	B,H	
	Political Science	Ph.D.	7	1	B,H	
	Sociology	Ph.D.	6	-	B,H	
	Speech & Hearing	Ph.D.	4	3	B,H	$14,040
Hofstra University Hempstead, N. Y. 11550 Ms. Sherry Friedman (516) 560-3602	Law	JD	4	-	M	
New York Law School New York, N. Y. 10013 Prof. Douglas Scherer (212) 966-3500	Law	JD	5	2	M,W	
Rensselaer Poly. Inst. Troy, N. Y. Dr. Paul Zuber (518) 270-6565	Engineering	Ph.D.	4	3	M,W	
	Computer Science	Ph.D.	2	-	M,W	
SUNY at Albany Albany, N. Y. 12201 Dr. Paul A. Saimond (518) 457-4636	Accounting	MS	1	-	M	
	Atmospheric Sci.	Ph.D.	2	-	M	
SUNY at Binghamton Binghamton, N.Y. 13901 Ms. Carolyn Huston (607) 798-2151	Mgt. Info. Systs.	MS,Ph.D.	3	-	B,H,W	
	Computer Science	MS,Ph.D.	3	-	B,H,W	
SUNY at Buffalo Buffalo, N. Y. 14214 Ms. Anne Sweitzer (518) 473-0520 Dr. Andrew W. Holt (518) 636-2942	Law	JD	-	2	M,W	$ 7,020

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
NORTH CAROLINA						
North Carolina Central Univ. Durham, N. C. 27707 Dr. C. L. Patterson (919) 683-6230	Law	JD	3	-	B	$12,960
Univ. of North Carolina Chapel Hill, N. C. 27514 Dr. Blyden Jackson (919) 933-1058	Political Science	MA, Ph.D.	1	-	B,N	
	Psychology	MA, Ph.D.	2	-	B,M	
	History	MA, Ph.D.	2	-	W,M	
	Public Health	Ph.D.	3	-	B,N	
	City & Regional Planning	Ph.D.	3	-	B,N,M	
Wake Forest University Winston-Salem, N.C. 27109 Dr. Larry L. Palmer (919) 761-5227	Law	JD	3	-	B	
OHIO						
Bowling Green State Univ. Bowling Green, Ohio 43403 Dr. Winifred Stone (419) 372-2793	Business Admin.	MBA	4	-	W,M	
	Mathematics	Ph.D.	2	3	W,M	
	Biology	MS	5	-	W,M	
	Clinical Psych.	Ph.D.	2	1	W,M	
	Communication/ Speech	Ph.D.	2	2	W,M	$ 7,344
Cleveland State Univ. Cleveland, Ohio 44115 Ms. Sheryl King (216) 687-2305	Law	JD	3	2	M,W	
Kent State University Kent, Ohio 44242 Dr. W. Adams (216) 672-2660	Speech Pathology	MA	3	2	W,B	
	History	Ph.D.	-	1	W,B	
	Physics	MS, Ph.D.	2	1	W,B	
	Geology	MS, Ph.D.	1	1	W,B	
	Chemistry	MS, Ph.D.	1	-	W,B	
Ohio State University Columbus, Ohio 43212 Dr. Anne S. Pruitt (614) 422-3915	Mathematics	Ph.D.	3	1	M,W	
	Chemistry	Ph.D.	2	2	M,W	
	Engineering	Ph.D.	-	1	M,W	
University of Akron Akron, Ohio 44325 Dr. Joseph Walton (216) 375-7663	Polymer Science	Ph.D.	-	3	M,W	
	Chemistry	Ph.D.	6	-	M,W	
	Engineering	Ph.D.	1	-	M,W	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l Grant
OHIO (Cont'd.)						
Univ. of Cincinnati Cincinnati, Ohio 45521 Dr. Robert D. Arner (513) 475-4531	Engineering	Ph.D.	3	2	N,H,B,A	
	Chemistry	Ph.D.	-	1	N,H,B,A	
	Business Admin.	MBA	-	1	N,H,B,A	
Wright State University Dayton, Ohio 45435 Dr. Jack Wood (513) 873-2975	Business Admin.	MBA	2	-	M,W	
	Nursing	MS	1	-	M	
OKLAHOMA						
Univ. of Oklahoma-Norman Norman, Okla. 73019 Ms. Marilyn Affleck (405) 325-3811	Fine Arts	MA,Ph.D.	1	-	B,N,H,W	
	Law	JD	2	-	B	
	Chemistry	Ph.D.	1	-	B,N,H,W	
	Engineering	Ph.D.	1	-	B,N,H,W	
Univ. of Oklahoma-Health Sciences Center Oklahoma City, Okla. 73190 Dr. Ralph Daniels (405) 271-2090	Public Health	Ph.D.	5	-	N,M	
	Communication Disorders	Ph.D.	5	-	N,M	$17,280
PENNSYLVANIA						
Carnegie-Mellon Univ. Pittsburgh, Pa. 15213 Dr. Norman Johnson (412) 578-2162	Engineering	Ph.D.	6	-	B,W	
	Policy Sciences	Ph.D.	5	-	B,W	
Pennsylvania State Univ. University Park, Pa. 16802 Dr. Benjamin Howell, Jr. (814) 865-2514	Agriculture	Ph.D.	3	-	B,H,N	
	Business Admin.	Ph.D.	3	-	B,H,N	
Temple University Philadelphia, Pa. 19122 Dr. Gabriele B. Jackson (215) 787-7266	Biology	Ph.D.	4	-	All	
	Communications	Ph.D.	3	-	All	
	Psychology	Ph.D.	2	-	All	
	Business	Ph.D.	4	-	All	
	Health Sciences	Ph.D.	2	-	All	
Univ. of Pennsylvania Philadelphia, Pa. 19104 Dr. Eleanor M. Cox (215) 243-7578	Veterinary Med.	Ph.D.	6	3	M,W	$ 8,640
Univ. of Pittsburgh Pittsburgh, Pa. 15260 Dr. Karl H. Lewis (412) 624-5378	Engineering	MS,Ph.D.	6	-	M,W	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
RHODE ISLAND						
Brown University Providence, R.I. 02912 Dr. Bernard Bruce (401) 863-2209	Engineering	Ph.D.	3	2	W,B,P,A	
	Math Sciences	MS,Ph.D.	8	2	B,H,A,N,W	
	Physics	Ph.D.	4	2	B,H,A,N,W	
	Geological Sci.	MS,Ph.D.	7	-	B,P,A,W	$14,580
SOUTH DAKOTA						
Univ. of South Dakota Vermillion, S. D. 57069 Dr. Rick LaPointe (605) 677-5454	Higher Ed. Admin.	Ph.D.	-	4	N	
TENNESSEE						
Meharry Medical College Nashville, Tenn. 37208 Dr. Charles W. Johnson (615) 327-6212	Immunobiology	Ph.D.	2	-	B	
Tennessee State Univ. Nashville, Tenn. 37203 Dr. James Reeves (615) 320-3491	Engineering	MS	1	2	M	
	Speech Path.	MA,MS	-	1	M	$11,340
Univ. of Tennessee Knoxville, Tenn. 37916 Dr. Gerald E. Hills (615) 974-3466	Engineering	Ph.D.	-	3	B,M	
Vanderbilt University Nashville, Tenn. 37240 Dr. D. Don Welch, Jr. (615) 322-3508	Economics	Ph.D.	2	-	B,W	
	Law	Ph.D.	5	-	B,W	
	Engineering	MS,Ph.D.	2	-	B,W	
TEXAS						
Rice University Houston, Texas 77001 Dr. Janis P. Stout (713) 527-8101	Geology	MS,Ph.D.	2	-	B,H,N	
	Social Sciences	MA,Ph.D.	1	-	B,H,N	
Texas Southern University Houston, Texas 77004 Dr. Alvin J. McNeil (713) 527-7255	Education	Ed.D.	3	-	B,H	
	Law	JD	4	-	B,H	
Univ. of Texas - Dallas Richardson, Texas 75080 Dr. Raymond Lutz (214) 690-2234	Geosciences	Ph.D.	1	-	M,W	
	Environmental Sci.	Ph.D.	3	-	M,W	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l. Grant
UTAH						
University of Utah Salt Lake City, Utah 84112 Dr. James L. Clayton (801) 581-7642	Law	JD	3	-	B,H	
	Chemistry	Ph.D.	2	-	H,B,W	
VIRGINIA						
Hampton Institute Hampton, Va. 23668 Dr. Hazel J. Garrison (804) 727-5454	Biology	MS	1	-	M,W	
	Communication Disorders	MA,Ph.D.	2	-	M	
University of Virginia Charlottesville, Va. 22903 Dr. William M. Harris (804) 924-7923	English	Ph.D.	2	-	M	
	Law	JD	8	-	M	
	Business	MBA	2	-	M	
	Engr. & Appl. Sci.	MS,Ph.D.	2	-	M	
Virginia Poly. Institute Blacksburg, Va. 24061 Dr. David Roselle (703) 961-5645	Agronomy	MS,Ph.D.	2	-	M,W	
	Chemical Engr.	MS,Ph.D.	2	1	M,W	
	Business Admin.	Ph.D.	-	1	M,W	
	Accounting	Ph.D.	2	1	M,W	$10,800
Virginia State Univ. Petersburg, Va. 23803 Dr. Edgar A. Toppin (804) 520-6431 or 6432	Economics	MA	4	-	M,W,	$10,800
WASHINGTON						
Central Washington Univ. Ellensburg, Wash. 98926 Dr. Dale Comstock (509) 963-3101	Psychology & Counseling	Med,MS	3	-	M,N	
Gonzaga University Spokane, Wash. 99258 Ms. Mary K. Lundwall (509) 326-5310, Ext. 53	Law	JD	5	-	B,N,H, & Pacific Islander:	
Seattle Pacific Univ. Seattle, Wash. 98119 Dr. Eunice Schmidt (206) 281-2214	Bilingual Educ.	MA	3	-	M	
Univ. of Washington Seattle, Wash. 98195 Dr. Ronald Geballe (206) 543-5900	Fisheries	MS,Ph.D.	-	2	M,W	
	Forest Resources	MS,Ph.D.	-	2	M,W	
	Oceanography	MS,Ph.D.	-	3	M,W	
Washington State Univ. Pullman, Wash. 99164 Dr. M. I. Johnson (509) 335-9661	Veterinary Science	Ph.D.	3	-	M,W	

State, Institution, and Contact Person	Program (s)	Degree	Renewal Fsps	New Fsps	Target Group *	Part A Inst'l Grant
WISCONSIN						
Marquette University						
Milwaukee, Wisc. 53233	Electrical Engr.	Ph.D.	-	1	M,W	
Dr. James M. Green	Environ. Engr.	Ph.D.	-	1	M,W	
(414) 224-7137	Biology	Ph.D.	-	2	B	$17,086
Univ. of Wisconsin-Madison						
Madison, Wisc. 53706	Chemical Engr.	Ph.D.	5	2	B,H,N,P,W	
Dean Robert M. Bock	Earth Sciences	Ph.D.	4	2	B,H,N,P,W	
(608) 262-1044	Plant Sciences	MS,Ph.D.	-	1	B,H,N,P,W	$12,960
Univ. of Wisconsin-Milwaukee						
Milwaukee, Wisc. 53201	Business Admin.	MBA,Ph.D.	-	2	H,B,W	
Dr. George W. Keulks	Management Sci.	MA	2	-	H,B,W	
(414) 963-5483	Engineering	Ph.D.	5	1	H,B,W	
	Geosciences	MS,Ph.D.	1	2	H,B,W	
	Nursing	MS	-	1	H,B,W	
	Architecture	MA	3	1	H,B,W	
		TOTALS	785	217		$357,718

DOMESTIC MINING AND MINERAL AND MINERAL FUEL CONSERVATION PROGRAM
FY 1980 Fellowship Awards

STATE	INSTITUTION	NO. OF FELLOWSHIPS	AMOUNT
Alabama	Auburn University	5	$ 84.000
	University of Alabama	4	67,200
Arizona	University of Arizona	12	201,600
California	Stanford University	11	184,000
	University of California, Berkeley	13	218,400
Colorado	Colorado School of Mines	14	235,200
	University of Colorado	5	84,000
Georgia	University of Georgia	3	50,400
Idaho	University of Idaho	5	52,500
Illinois	Northwestern University	4	67,200
Indiana	Indiana University	4	67,200
	Purdue University	4	67,200
Iowa	Iowa State University	4	67,200
Kansas	University of Kansas	5	73,500
Kentucky	Eastern Kentucky University	5	84,000
	University of Kentucky	3	50,400
Massachusetts	Harvard University	5	84,000
	Massachusetts Institute of Technology	7	117,600
Michigan	Michigan Technological University	7	117,600
	University of Michigan	5	84,000
Minnesota	University of Minnesota	7	117,600
Missouri	University of Missouri	13	109,200
Nevada	University of Nevada	3	50,400
New Jersey	Rutgers University	3	44,100
New Mexico	New Mexico Institute of Mining and Technology	5	84,000

STATE	INSTITUTION	NO. OF FELLOWSHIPS	AMOUNT
New York	Columbia University	13	$191,000
	Cornell University	5	84,000
North Dakota	University of North Dakota	12	201,600
Ohio	Case Western Reserve University	3	44,100
	Kent State University	3	50,400
Oklahoma	University of Oklahoma	7	117,600
	University of Tulsa	5	84,000
Pennsylvania	Lehigh University	3	50,400
	Pennsylvania State University	14	235,200
South Dakota	South Dakota School of Mines and Technology	4	67,200
Texas	Southern Methodist University	4	67,200
	University of Texas - Austin	14	205,800
Utah	University of Utah	13	218,400
Virginia	Virginia Polytechnic Institute and State University	7	117,600
West Virginia	West Virginia University	9	151,200
Wyoming	University of Wyoming	2	29,400
Stipend Increase			121,500
TOTAL		274	$4,499,100